



Client-Server Protocol
DTD and Examples
V1.0

WV Internal Tracking Number: WV-004

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1. REVISION HISTORY

Date	Issue	Description	Author
February 13 th	TBD	Initial release	WV TechComm

2. REFERENCES

- [[E.164](#)] ITU-T Recommendation E.164 (05/97) The international public telecommunication numbering plan
- [[FIPS 180-1](#)] "Secure Hash Standard", April 1995
- [[RFC1321](#)] "The MD5 Message-Digest Algorithm", April 1992.
- [[RFC2045](#)] "Multipurpose Internet Mail Extensions (MIME) Part one: Format of Internet Message Bodies". Section 6.8 "Base64 Content-Transfer-Encoding".
- [[RFC2046](#)] Borenstein N., and N. Freed, "MIME (Multipurpose Internet Mail Extensions) Part Two: Media Types", November 1996.
- [[RFC2119](#)] "Keywords for using RFCs to Indicate Requirements levels", Bradner, S.
- [[RFC2396](#)] Uniform Resource Identifiers (URI): Generic Syntax
- [[RFC2426](#)] vCard MIME Directory Profile
- [[RFC2445](#)] Internet Calendaring and Scheduling Core Object Specification (iCalendar)
- [[RFC2778](#)] "A Model for Presence and Instant Messaging", February 2000
- [[RFC822](#)] "Standard for the Format of ARPA Internet Text Messages", August 1982.
- [[UUID](#)] Steven Miller, "DEC/HP Network Computing Architecture Remote Procedure Call Run-Time Extension Specification Version OSF TX1.0.11", July 23, 1992
- [[VCAL10](#)] "vCalendar - The Electronic Calendaring and Scheduling Format", version 1.0, The Internet Mail Consortium (IMC), September 18, 1996, <http://www.imc.org/pdi/vcal-10.doc>
- [[VCARD21](#)] "vCard - The Electronic Business Card", version 2.1, The Internet Mail Consortium (IMC), September 18, 1996, <http://www.imc.org/pdi/vcard-21.doc>
- [[WAPMMS](#)] Wireless Application Protocol - MMS Encapsulation Protocol
- [[WV-CSP](#)] Wireless Village – Client-Server Protocol, Session And Transactions specification
- [[WV-FF](#)] Wireless Village – Features and Functions specification.
- [[WV-PA](#)] Wireless Village – Presence Attributes specification.
- [[XML](#)] "Extensible Markup Language 1.0 (Second Edition)", W3C recommendation, 6-October-2000

3. OVERVIEW

This document describes how XML is utilized to carry Wireless Village primitives and the information elements within.

The document provides the DTD and the TransactionContent namespace as well as examples of each transaction.

Binary content cannot be included in the XML document directly, because it may invalidate the document. Thus, the binary content must be encoded with the BASE64 encoding algorithm, as defined in [RFC2045].

4. THE DTD

```
<?xml version="1.0" encoding="UTF-8"?>
<!ELEMENT WV-CSP-Message (Session)>
<!ATTLIST WV-CSP-Message xmlns CDATA #REQUIRED>

<!ELEMENT Session (SessionDescriptor, Transaction+)>

<!ELEMENT SessionDescriptor (SessionType, SessionID?)>
<!ELEMENT SessionType (#PCDATA)>
<!ELEMENT SessionID (#PCDATA)>

<!ELEMENT Transaction (TransactionDescriptor, TransactionContent)>
<!ELEMENT TransactionDescriptor (TransactionMode, TransactionID?, Poll?)>
<!ELEMENT TransactionMode (#PCDATA)>
<!ELEMENT TransactionID (#PCDATA)>
<!ELEMENT Poll (#PCDATA)>

<!ELEMENT TransactionContent (#PCDATA)>
<!ATTLIST TransactionContent xmlns CDATA #REQUIRED>
```

5. THE TRANSACTIONCONTENT NAMESPACE

```
<?xml version="1.0" encoding="UTF-8"?>
<!ELEMENT TransactionContent (Status | Polling-Request | Login-Request | Login-
Response | Service-Request | Service-Response | ClientCapability-Request |
ClientCapability-Response | Logout-Request | Disconnect | KeepAlive-Request |
GetSPInfo-Request | GetSPInfo-Response | Search-Request | Search-Response |
StopSearch-Request | Invite-Request | Invite-Response | InviteUser-Request |
InviteUser-Response | CancelInvite-Request | CancelInviteUser-Request |
SubscribePresence-Request | UnsubscribePresence-Request | PresenceNotification-
Request | GetWatcherList-Request | GetWatcherList-Response | GetPresence-Request
| GetPresence-Response | PresenceAuth-Request | PresenceAuth-Response |
CancelAuth-Request | UpdatePresence-Request | SendMessage-Request | SendMessage-
Response | SetDeliveryMethod-Request | GetMessageList-Request | GetMessageList-
Response | RejectMessage-Request | MessageNotification | GetMessage-Request |
GetMessage-Response | NewMessage | MessageDelivered | DeliveryReport-Request |
ForwardMessage-Request | GetBlockedList-Request | GetBlockedList-Response |
BlockUser-Request | GetList-Request | GetList-Response | CreateList-Request |
DeleteList-Request | ListManage-Request | ListManage-Response |
CreateAttributeList-Request | DeleteAttributeList-Request | GetAttributeList-
Request | GetAttributeList-Response | CreateGroup-Request | DeleteGroup-Request
| JoinGroup-Request | JoinGroup-Response | LeaveGroup-Request | LeaveGroup-
Response | GetGroupMembers-Request | GetGroupMembers-Response | AddGroupMembers-
Request | RemoveGroupMembers-Request | MemberAccess-Request | GetGroupProps-
Request | GetGroupProps-Response | SetGroupProps-Request | RejectList-Request |
RejectList-Response | SubscribeGroupNotice-Request | SubscribeGroupNotice-
Response | GroupChangeNotice)>

<!ELEMENT Status (Result, KeepAliveTime?, ClientID?)>
<!ELEMENT Polling-Request EMPTY>
<!ELEMENT Login-Request (UserID, ClientID, Password?, DigestBytes?,
DigestSchema?, TimeToLive?, SessionCookie)>
<!ELEMENT Login-Response (ClientID, Result, Nonce?, DigestSchema?, SessionID?,
KeepAliveTime?, CapabilityRequest)>
<!ELEMENT Service-Request (ClientID, Functions?, AllFunctionsRequest)>
<!ELEMENT Service-Response (ClientID, Functions?, AllFunctions?)>
<!ELEMENT ClientCapability-Request (ClientID, CapabilityList?)>
<!ELEMENT ClientCapability-Response (ClientID, CapabilityList?)>
<!ELEMENT Logout-Request EMPTY>
<!ELEMENT Disconnect (Result)>
```



```
<!ELEMENT KeepAlive-Request (TimeToLive?)>
<!ELEMENT GetSPInfo-Request (ClientID?)>
<!ELEMENT GetSPInfo-Response (ClientID?, Name, Logo?, Description?,URL?)>
<!ELEMENT Search-Request (SearchPairList*, SearchOnlineStatus?, SearchLimit?,
SearchID?, SearchIndex?)>
<!ELEMENT StopSearch-Request (SearchID)>
<!ELEMENT Search-Response (SearchID?, SearchFindings, SearchIndex,
SearchResult?)>
<!ELEMENT Invite-Request (InviteID, InviteType, Recipient, GroupID?,
PresenceSubList?, URLList?, InviteNote?, ScreenName?, Validity?)>
<!ELEMENT Invite-Response (InviteID, Acceptance, Sender, ResponseNote?)>
<!ELEMENT InviteUser-Request (InviteID, InviteType, Sender?, GroupID?,
PresenceSubList?, URLList?, InviteNote?, Validity?)>
<!ELEMENT InviteUser-Response (InviteID, Acceptance, ResponseNote?,
ScreenName?)>
<!ELEMENT CancelInvite-Request (InviteID, Recipient, InviteNote?, URLList?,
ScreenName?)>
<!ELEMENT CancelInviteUser-Request (InviteID, Sender, InviteNote?, URLList?)>

<!ELEMENT SubscribePresence-Request (UserList?, ContactList?, PresenceSubList?)>
<!ELEMENT UnsubscribePresence-Request (UserList?, ContactList?)>
<!ELEMENT PresenceNotification-Request (Presence)>
<!ELEMENT GetWatcherList-Request EMPTY>
<!ELEMENT GetWatcherList-Response (UserList?)>
<!ELEMENT GetPresence-Request ((UserList | ContactList), PresenceSubList?)>
<!ELEMENT GetPresence-Response (Result, Presence*)>
<!ELEMENT PresenceAuth-Request (UserID, PresenceSubList?)>
<!ELEMENT PresenceAuth-Response (UserID, Acceptance)>
<!ELEMENT CancelAuth-Request (UserID)>
<!ELEMENT UpdatePresence-Request (PresenceSubList)>

<!ELEMENT GetList-Request EMPTY>
<!ELEMENT GetList-Response (ContactList*, DefaultContactList?)>
<!ELEMENT CreateList-Request (ContactList, NickList?, ContactListProperties?)>
<!ELEMENT DeleteList-Request (ContactList)>
<!ELEMENT ListManage-Request (ContactList, (AddNickList | RemoveNickList |
ContactListProperties))>
<!ELEMENT ListManage-Response (Result, NickList?, ContactListProperties?)>
<!ELEMENT CreateAttributeList-Request (PresenceSubList, UserID*, ContactList*,
DefaultList)>
<!ELEMENT DeleteAttributeList-Request (UserID*, ContactList*, DefaultList)>
<!ELEMENT GetAttributeList-Request (DefaultList, ContactList*, UserList?)>
<!ELEMENT GetAttributeList-Response (Result, DefaultAttributeList?,
PresenceSubList*)>

<!ELEMENT SendMessage-Request (DeliveryReport?, MessageInfo, ContentData)>
<!ELEMENT SendMessage-Response (Result, MessageID?)>
<!ELEMENT SetDeliveryMethod-Request (DeliveryMethod, AcceptedContentLength?,
GroupID?)>
<!ELEMENT GetMessageList-Request (GroupID?, MessageCount?)>
<!ELEMENT GetMessageList-Response (MessageInfo+)>
<!ELEMENT RejectMessage-Request (MessageID+)>
<!ELEMENT MessageNotification (MessageInfo)>
<!ELEMENT GetMessage-Request (MessageID)>
<!ELEMENT GetMessage-Response (MessageInfo, ContentData)>
<!ELEMENT NewMessage (MessageInfo, ContentData)>
<!ELEMENT MessageDelivered (MessageID)>
<!ELEMENT DeliveryReport-Request (Result, MessageInfo)>
<!ELEMENT ForwardMessage-Request (MessageID, Recipient)>
<!ELEMENT GetBlockedList-Request EMPTY>
<!ELEMENT GetBlockedList-Response (BlockList?, GrantList?)>
```

```
<!ELEMENT BlockUser-Request (BlockList?, GrantList?)>

<!ELEMENT CreateGroup-Request (GroupID, GroupProperties)>
<!ELEMENT DeleteGroup-Request (GroupID)>
<!ELEMENT JoinGroup-Request (GroupID, ScreenName?, JoinedRequest?)>
<!ELEMENT JoinGroup-Response (UserList, WelcomeNote?)>
<!ELEMENT LeaveGroup-Request (GroupID)>
<!ELEMENT LeaveGroup-Response (GroupID?, Result)>
<!ELEMENT GetGroupMembers-Request (GroupID)>
<!ELEMENT GetGroupMembers-Response (Admin?, Mod?, Users?)>
<!ELEMENT AddGroupMembers-Request (GroupID, UserList)>
<!ELEMENT RemoveGroupMembers-Request (GroupID, UserList)>
<!ELEMENT MemberAccess-Request (GroupID, Admin?, Mod?, Users?)>
<!ELEMENT GetGroupProps-Request (GroupID)>
<!ELEMENT GetGroupProps-Response (GroupProperties, OwnProperties)>
<!ELEMENT SetGroupProps-Request (GroupID, GroupProperties?, OwnProperties?)>
<!ELEMENT RejectList-Request (GroupID, AddList?, RemoveList?)>
<!ELEMENT RejectList-Response (UserList?)>
<!ELEMENT SubscribeGroupNotice-Request (GroupID, SubscribeType)>
<!ELEMENT SubscribeGroupNotice-Response (Value)>
<!ELEMENT GroupChangeNotice (GroupID, Joined?, Left?, GroupProperties?,
OwnProperties?)>

<!ELEMENT DigestBytes (#PCDATA)>
<!ELEMENT DigestSchema (#PCDATA)>
<!ELEMENT Password (#PCDATA)>
<!ELEMENT Nonce (#PCDATA)>
<!ELEMENT CapabilityRequest (#PCDATA)>
<!ELEMENT CapabilityList (ClientType, InitialDeliveryMethod, ((AnyContent,
AcceptedCharSet*) | AcceptedContentType*), AcceptedTransferEncoding*,
AcceptedContentLength, SupportedBearer*, MultiTrans, ParserSize,
SupportedCIRMethod*, UDPPort?, TCPAddress?, TCPPort?, ServerPollMin?,
DefaultLanguage?)>
<!ELEMENT ClientType (#PCDATA)>
<!ELEMENT InitialDeliveryMethod (#PCDATA)>
<!ELEMENT AnyContent (#PCDATA)>
<!ELEMENT AcceptedCharSet (#PCDATA)>
<!ELEMENT AcceptedContentType (#PCDATA)>
<!ELEMENT AcceptedTransferEncoding (#PCDATA)>
<!ELEMENT AcceptedContentLength (#PCDATA)>
<!ELEMENT SupportedBearer (#PCDATA)>
<!ELEMENT MultiTrans (#PCDATA)>
<!ELEMENT ParserSize (#PCDATA)>
<!ELEMENT SupportedCIRMethod (#PCDATA)>
<!ELEMENT UDPPort (#PCDATA)>
<!ELEMENT TCPAddress (#PCDATA)>
<!ELEMENT TCPPort (#PCDATA)>
<!ELEMENT ServerPollMin (#PCDATA)>
<!ELEMENT DefaultLanguage (#PCDATA)>

<!ELEMENT Result (Code, Description?, DetailedResult*)>
<!ELEMENT Code (#PCDATA)>
<!ELEMENT Description (#PCDATA)>
<!ELEMENT DetailedResult (Code, Description?, UserID*, GroupID*, ScreenName*)>

<!ELEMENT SessionCookie (#PCDATA)>
<!ELEMENT Sender (User | Group)>
<!ELEMENT Recipient (User*, Group*, ContactList*)>
<!ELEMENT User (UserID, ClientID?)>
<!ELEMENT Group (GroupID | ScreenName)>
<!ELEMENT UserID (#PCDATA)>
```

```
<!ELEMENT ClientID (URL?, MSISDN?)>
<!ELEMENT GroupID (#PCDATA)>
<!ELEMENT MessageID (#PCDATA)>
<!ELEMENT MessageURI (#PCDATA)>
<!ELEMENT ScreenName (Name, GroupID)>
<!ELEMENT NickName (Name, UserID)>
<!ELEMENT URLList (URL+)>
<!ELEMENT URL (#PCDATA)>
<!ELEMENT MSISDN (#PCDATA)>
<!ELEMENT GroupList (GroupID+)>
<!ELEMENT UserList (User*, ScreenName*)>
<!ELEMENT ContactList (#PCDATA)>
<!ELEMENT DefaultContactList (#PCDATA)>
<!ELEMENT NickList (NickName*)>
<!ELEMENT AddNickList (NickName*)>
<!ELEMENT RemoveNickList (UserID+)>
<!ELEMENT DefaultList (#PCDATA)>

<!ELEMENT SearchPairList (SearchElement, SearchString)>
<!ELEMENT SearchElement (#PCDATA)>
<!ELEMENT SearchString (#PCDATA)>
<!ELEMENT SearchOnlineStatus (#PCDATA)>
<!ELEMENT SearchLimit (#PCDATA)>
<!ELEMENT SearchID (#PCDATA)>
<!ELEMENT SearchIndex (#PCDATA)>
<!ELEMENT SearchFindings (#PCDATA)>
<!ELEMENT SearchResult (UserList?, GroupList?)>

<!ELEMENT InviteID (#PCDATA)>
<!ELEMENT InviteType (#PCDATA)>
<!ELEMENT InviteNote (#PCDATA)>
<!ELEMENT Acceptance (#PCDATA)>
<!ELEMENT ResponseNote (#PCDATA)>

<!ELEMENT DefaultAttributeList (PresenceSubList)>
<!ELEMENT Presence (UserID, PresenceSubList*)>
<!ELEMENT PresenceSubList (#PCDATA)>
<!ATTLIST PresenceSubList xmlns CDATA #REQUIRED>

<!ELEMENT KeepAliveTime (#PCDATA)>
<!ELEMENT TimeToLive (#PCDATA)>

<!ELEMENT Attribute (Name, Value)>
<!ELEMENT Name (#PCDATA)>
<!ELEMENT Value (#PCDATA)>

<!ELEMENT Validity (#PCDATA)>

<!ELEMENT MessageInfo (MessageID?, MessageURI?, ContentType?, ContentEncoding?,
ContentSize, Recipient, Sender, DateTime?, Validity?)>
<!ELEMENT DateTime (#PCDATA)>
<!ELEMENT MessageCount (#PCDATA)>

<!ELEMENT DeliveryReport (#PCDATA)>
<!ELEMENT DeliveryMethod (#PCDATA)>

<!ELEMENT BlockList (InUse?, EntityList?, AddList?, RemoveList?)>
<!ELEMENT GrantList (InUse?, EntityList?, AddList?, RemoveList?)>
<!ELEMENT EntityList (UserID*, ScreenName*, GroupID*)>
<!ELEMENT AddList (UserID*, ScreenName*, GroupID*)>
<!ELEMENT RemoveList (UserID*, ScreenName*, GroupID*)>
```

```
<!ELEMENT InUse (#PCDATA)>

<!ELEMENT ContactListProperties (Property)>
<!ELEMENT GroupProperties (Property+, WelcomeNote?)>
<!ELEMENT OwnProperties (Property+)>
<!ELEMENT Property (Name, Value?)>
<!ELEMENT WelcomeNote (ContentType, ContentEncoding?, ContentData)>

<!ELEMENT JoinedRequest (#PCDATA)>

<!ELEMENT Admin (UserList)>
<!ELEMENT Mod (UserList)>
<!ELEMENT Users (UserList)>

<!ELEMENT SubscribeType (#PCDATA)>
<!ELEMENT Joined (ScreenName+)>
<!ELEMENT Left (ScreenName+)>

<!ELEMENT Logo (ContentType, ContentSize?, ContentEncoding, ContentData)>
<!ELEMENT ContentType (#PCDATA)>
<!ELEMENT ContentData (#PCDATA)>
<!ELEMENT ContentSize (#PCDATA)>
<!ELEMENT ContentEncoding (#PCDATA)>

<!ELEMENT AllFunctionsRequest (#PCDATA)>
<!ELEMENT AllFunctions (WVCSPFeat)>
<!ELEMENT Functions (WVCSPFeat)>
<!ELEMENT WVCSPFeat (FundamentalFeat?, PresenceFeat?, IMFeat?, GroupFeat?)>

<!ELEMENT FundamentalFeat (ServiceFunc?, SearchFunc?, InviteFunc?)>
<!ELEMENT PresenceFeat (ContListFunc?, PresenceAuthFunc?, PresenceDeliverFunc?,
AttListFunc?)>
<!ELEMENT IMFeat (IMSendFunc?, IMReceiveFunc?, IMAuthFunc?)>
<!ELEMENT GroupFeat (GroupMgmtFunc?, GroupUseFunc?, GroupAuthFunc?)>

<!ELEMENT ServiceFunc (GETSPI?)>
<!ELEMENT SearchFunc (SRCH?, STSRC?)>
<!ELEMENT InviteFunc (INVIT?, CAINV?)>

<!ELEMENT ContListFunc (GCLI?, CCLI?, DCLI?, MCLS?)>
<!ELEMENT PresenceAuthFunc (GETWL?, REACT?, CAAUT?)>
<!ELEMENT PresenceDeliverFunc (GETPR?, UPDPR?)>
<!ELEMENT AttListFunc (CALI?, DALI?, GALS?)>

<!ELEMENT IMSendFunc (MDELIV?, FWMSG?)>
<!ELEMENT IMReceiveFunc (SETD?, GETLM?, GETM?, REJCM?, NOTIF?, NEWM?)>
<!ELEMENT IMAuthFunc (GLBLU?, BLENT?)>

<!ELEMENT GroupMgmtFunc (CREAG?, DELGR?, GETGP?, SETGP?)>
<!ELEMENT GroupUseFunc (SUBGCN?, GRCHN?)>
<!ELEMENT GroupAuthFunc (GETGM?, ADDGM?, RMVGM?, MBRAC?, REJEC?)>

<!ELEMENT GETSPI EMPTY>
<!ELEMENT SRCH EMPTY>
<!ELEMENT STSRC EMPTY>
<!ELEMENT INVIT EMPTY>
<!ELEMENT CAINV EMPTY>

<!ELEMENT GCLI EMPTY>
<!ELEMENT CCLI EMPTY>
<!ELEMENT DCLI EMPTY>
```

```
<!ELEMENT MCLS EMPTY>
<!ELEMENT GETWL EMPTY>
<!ELEMENT REACT EMPTY>
<!ELEMENT CAAUT EMPTY>
<!ELEMENT GETPR EMPTY>
<!ELEMENT UPDPR EMPTY>
<!ELEMENT CALI EMPTY>
<!ELEMENT DALI EMPTY>
<!ELEMENT GALS EMPTY>

<!ELEMENT MDELIV EMPTY>
<!ELEMENT FWMSG EMPTY>
<!ELEMENT SETD EMPTY>
<!ELEMENT GETLM EMPTY>
<!ELEMENT GETM EMPTY>
<!ELEMENT REJCM EMPTY>
<!ELEMENT NOTIF EMPTY>
<!ELEMENT NEWM EMPTY>
<!ELEMENT GLBLU EMPTY>
<!ELEMENT BLENT EMPTY>

<!ELEMENT CREAG EMPTY>
<!ELEMENT DELGR EMPTY>
<!ELEMENT GETGP EMPTY>
<!ELEMENT SETGP EMPTY>
<!ELEMENT SUBGCN EMPTY>
<!ELEMENT GRCHN EMPTY>
<!ELEMENT GETGM EMPTY>
<!ELEMENT ADDGM EMPTY>
<!ELEMENT RMVGM EMPTY>
<!ELEMENT MBRAC EMPTY>
<!ELEMENT REJEC EMPTY>
```

6. XML BINDING EXAMPLES

6.1 Status primitive with details

```
<WV-CSP-Message xmlns="http://www.wireless-village.org/CSP1.0">
  <Session>
    <SessionDescriptor>
      <SessionType>Inband</SessionType>
      <SessionID>im.user.com#48815@server.com</SessionID>
    </SessionDescriptor>
    <Transaction>
      <TransactionDescriptor>
        <TransactionMode>Response</TransactionMode>
        <TransactionID>IMApp01#12345@NOK5110</TransactionID>
        <Poll>F</Poll>
      </TransactionDescriptor>
      <TransactionContent xmlns="http://www.wireless-village.org/TRC1.0">
        <Status>
          <Result>
            <Code>201</Code>
            <Description>Partially successful.</Description>
            <DetailedResult>
              <Code>531</Code>
              <Description>Unknown user.</Description>
              <UserID>wv:bad_user1@im.com</UserID>
              <UserID>wv:bad_user2@im.com</UserID>
            </DetailedResult>
            <DetailedResult>
              <Code>532</Code>
              <Description>Blocked.</Description>
              <UserID>wv:bad_user3@im.com</UserID>
              <UserID>wv:bad_user4@im.com</UserID>
            </DetailedResult>
          </Result>
        </Status>
      </TransactionContent>
    </Transaction>
  </Session>
</WV-CSP-Message>
```

6.2 Polling-Request primitive

```
<WV-CSP-Message xmlns="http://www.wireless-village.org/CSP1.0">
  <Session>
    <SessionDescriptor>
      <SessionType>Inband</SessionType>
      <SessionID>im.user.com#48815@server.com</SessionID>
    </SessionDescriptor>
    <Transaction>
      <TransactionDescriptor>
        <TransactionMode>Request</TransactionMode>
        <TransactionID>IMApp01#12345@NOK5110</TransactionID>
      </TransactionDescriptor>
      <TransactionContent xmlns="http://www.wireless-village.org/TRC1.0">
        <Polling-Request/>
      </TransactionContent>
    </Transaction>
  </Session>
</WV-CSP-Message>
```

6.3 2-way Login transaction

6.3.1 Login-Request primitive

```
<WV-CSP-Message xmlns="http://www.wireless-village.org/CSP1.0">
  <Session>
    <SessionDescriptor>
      <SessionType>Outband</SessionType>
    </SessionDescriptor>
    <Transaction>
      <TransactionDescriptor>
        <TransactionMode>Request</TransactionMode>
        <TransactionID>IMApp01#12345@NOK5110</TransactionID>
      </TransactionDescriptor>
      <TransactionContent xmlns="http://www.wireless-village.org/TRC1.0">
        <Login-Request>
          <UserID>wv:user@im.com</UserID>
          <ClientID>
            <URL>http://206.226.10.25:80/IMPSAPP</URL>
          </ClientID>
          <Password>lmy2pass3word</Password>
          <TimeToLive>120</TimeToLive>
          <SessionCookie>im.user.com#20011224#328746293</SessionCookie>
        </Login-Request>
      </TransactionContent>
    </Transaction>
  </Session>
</WV-CSP-Message>
```

6.3.2 Login-Response primitive

```
<WV-CSP-Message xmlns="http://www.wireless-village.org/CSP1.0">
  <Session>
    <SessionDescriptor>
      <SessionType>Outband</SessionType>
    </SessionDescriptor>
    <Transaction>
      <TransactionDescriptor>
        <TransactionMode>Response</TransactionMode>
        <TransactionID>IMApp01#12345@NOK5110</TransactionID>
        <Poll>F</Poll>
      </TransactionDescriptor>
      <TransactionContent xmlns="http://www.wireless-village.org/TRC1.0">
        <Login-Response>
          <ClientID>
            <URL>http://206.226.10.25:80/IMPSAPP</URL>
          </ClientID>
          <Result>
            <Code>200</Code>
            <Description>Successfully logged in.</Description>
          </Result>
          <SessionID>im.user.com#48815@server.com</SessionID>
          <KeepAliveTime>120</KeepAliveTime>
          <CapabilityRequest>T</CapabilityRequest>
        </Login-Response>
      </TransactionContent>
    </Transaction>
  </Session>
</WV-CSP-Message>
```

6.4 4-way Login transaction

6.4.1 Login-Request primitive

```
<WV-CSP-Message xmlns="http://www.wireless-village.org/CSP1.0">
  <Session>
    <SessionDescriptor>
      <SessionType>Outband</SessionType>
    </SessionDescriptor>
    <Transaction>
      <TransactionDescriptor>
        <TransactionMode>Request</TransactionMode>
        <TransactionID>IMApp01#12345@NOK5110</TransactionID>
      </TransactionDescriptor>
      <TransactionContent xmlns="http://www.wireless-village.org/TRC1.0">
        <Login-Request>
          <UserID>wv:user@im.com</UserID>
          <ClientID>
            <URL>http://206.226.10.25:80/IMPSAPP</URL>
          </ClientID>
          <DigestSchema>PWD,SHA,MD4,MD5,MD6</DigestSchema>
          <SessionCookie>im.user.com#20011224#328746293</SessionCookie>
        </Login-Request>
      </TransactionContent>
    </Transaction>
  </Session>
</WV-CSP-Message>
```

6.4.2 Login-Response primitive

```
<WV-CSP-Message xmlns="http://www.wireless-village.org/CSP1.0">
  <Session>
    <SessionDescriptor>
      <SessionType>Outband</SessionType>
    </SessionDescriptor>
    <Transaction>
      <TransactionDescriptor>
        <TransactionMode>Response</TransactionMode>
        <TransactionID>IMApp01#12345@NOK5110</TransactionID>
        <Poll>F</Poll>
      </TransactionDescriptor>
      <TransactionContent xmlns="http://www.wireless-village.org/TRC1.0">
        <Login-Response>
          <ClientID>
            <URL>http://206.226.10.25:80/IMPSAPP</URL>
          </ClientID>
          <Result>
            <Code>200</Code>
            <Description>Successfully logged in.</Description>
          </Result>
          <Nonce>92387rhf934fho3fh9fkn309fn3pfun304ufn3</Nonce>
          <DigestSchema>MD6</DigestSchema>
          <CapabilityRequest>F</CapabilityRequest>
        </Login-Response>
      </TransactionContent>
    </Transaction>
  </Session>
</WV-CSP-Message>
```


6.4.3 Login-Request primitive

```
<WV-CSP-Message xmlns="http://www.wireless-village.org/CSP1.0">
  <Session>
    <SessionDescriptor>
      <SessionType>Outband</SessionType>
    </SessionDescriptor>
    <Transaction>
      <TransactionDescriptor>
        <TransactionMode>Request</TransactionMode>
        <TransactionID>IMApp01#12345@NOK5110</TransactionID>
      </TransactionDescriptor>
      <TransactionContent xmlns="http://www.wireless-village.org/TRC1.0">
        <Login-Request>
          <UserID>wv:user@im.com</UserID>
          <ClientID>
            <URL>http://206.226.10.25:80/IMPSAPP</URL>
          </ClientID>
          <DigestBytes>alkkuayfdsAKDSJfsdfjhksadhlkasdlkfgsal</DigestBytes>
          <TimeToLive>120</TimeToLive>
          <SessionCookie>im.user.com#20011224#328746293</SessionCookie>
        </Login-Request>
      </TransactionContent>
    </Transaction>
  </Session>
</WV-CSP-Message>
```

6.4.4 Login-Response primitive

```
<WV-CSP-Message xmlns="http://www.wireless-village.org/CSP1.0">
  <Session>
    <SessionDescriptor>
      <SessionType>Outband</SessionType>
    </SessionDescriptor>
    <Transaction>
      <TransactionDescriptor>
        <TransactionMode>Response</TransactionMode>
        <TransactionID>IMApp01#12345@NOK5110</TransactionID>
        <Poll>F</Poll>
      </TransactionDescriptor>
      <TransactionContent xmlns="http://www.wireless-village.org/TRC1.0">
        <Login-Response>
          <ClientID>
            <URL>http://206.226.10.25:80/IMPSAPP</URL>
          </ClientID>
          <Result>
            <Code>200</Code>
            <Description>Successfully logged in.</Description>
          </Result>
          <SessionID>im.user.com#48815@server.com</SessionID>
          <KeepAliveTime>120</KeepAliveTime>
          <CapabilityRequest>T</CapabilityRequest>
        </Login-Response>
      </TransactionContent>
    </Transaction>
  </Session>
</WV-CSP-Message>
```

6.5 Service negotiation transaction

6.5.1 Service-Request primitive

```
<WV-CSP-Message xmlns="http://www.wireless-village.org/CSP1.0">
  <Session>
    <SessionDescriptor>
      <SessionType>Outband</SessionType>
    </SessionDescriptor>
    <Transaction>
      <TransactionDescriptor>
        <TransactionMode>Request</TransactionMode>
        <TransactionID>IMApp01#12345@NOK5110</TransactionID>
      </TransactionDescriptor>
      <TransactionContent xmlns="http://www.wireless-village.org/TRC1.0">
        <Service-Request>
          <ClientID>
            <URL>http://206.226.10.25:80/IMPSAPP</URL>
          </ClientID>
          <Functions>
            <WVCSPFeat>
              <FundamentalFeat/>
              <PresenceFeat/>
              <IMFeat/>
            </WVCSPFeat>
          </Functions>
          <AllFunctionsRequest>T</AllFunctionsRequest>
        </Service-Request>
      </TransactionContent>
    </Transaction>
  </Session>
</WV-CSP-Message>
```

6.5.2 Service-Response primitive

```
<WV-CSP-Message xmlns="http://www.wireless-village.org/CSP1.0">
  <Session>
    <SessionDescriptor>
      <SessionType>Outband</SessionType>
    </SessionDescriptor>
    <Transaction>
      <TransactionDescriptor>
        <TransactionMode>Response</TransactionMode>
        <TransactionID>IMApp01#12345@NOK5110</TransactionID>
        <Poll>F</Poll>
      </TransactionDescriptor>
      <TransactionContent xmlns="http://www.wireless-village.org/TRC1.0">
        <Service-Response>
          <ClientID>
            <URL>http://206.226.10.25:80/IMPSAPP</URL>
          </ClientID>
          <Functions/>
          <AllFunctions>
            <WVCSPFeat/>
          </AllFunctions>
        </Service-Response>
      </TransactionContent>
    </Transaction>
  </Session>
</WV-CSP-Message>
```

6.6 Client capability negotiation transaction

6.6.1 ClientCapability-Request primitive

```

<WV-CSP-Message xmlns="http://www.wireless-village.org/CSP1.0">
  <Session>
    <SessionDescriptor>
      <SessionType>Outband</SessionType>
    </SessionDescriptor>
    <Transaction>
      <TransactionDescriptor>
        <TransactionMode>Request</TransactionMode>
        <TransactionID>IMApp01#12345@NOK5110</TransactionID>
      </TransactionDescriptor>
      <TransactionContent xmlns="http://www.wireless-village.org/TRC1.0">
        <ClientCapability-Request>
          <ClientID>
            <URL>http://206.226.10.25:80/IMPSAPP</URL>
          </ClientID>
          <CapabilityList>
            <ClientType>MOBILE_PHONE</ClientType>
            <InitialDeliveryMethod>P</InitialDeliveryMethod>
            <AcceptedContentType>text/plain; charset=us-
ascii</AcceptedContentType>
            <AcceptedContentType>application/x-sms</AcceptedContentType>
            <AcceptedContentType>text/x-vCard; charset=us-
ascii</AcceptedContentType>
            <AcceptedContentType>text/x-vCalendar; charset=us-
ascii</AcceptedContentType>
            <AcceptedTransferEncoding>BASE64</AcceptedTransferEncoding>
            <AcceptedContentLength>32767</AcceptedContentLength>
            <SupportedBearer>SMS</SupportedBearer>
            <SupportedBearer>WSP</SupportedBearer>
            <SupportedBearer>HTTP</SupportedBearer>
            <MultiTrans>1</MultiTrans>
            <ParserSize>32767</ParserSize>
            <SupportedCIRMethod>WAPSMS</SupportedCIRMethod>
            <SupportedCIRMethod>WAPUDP</SupportedCIRMethod>
            <SupportedCIRMethod>SUDP</SupportedCIRMethod>
            <SupportedCIRMethod>STCP</SupportedCIRMethod>
            <UDPPort>91</UDPPort>
            <ServerPollMin>2</ServerPollMin>
          </CapabilityList>
        </ClientCapability-Request>
      </TransactionContent>
    </Transaction>
  </Session>
</WV-CSP-Message>

```

6.6.2 ClientCapability-Response primitive

```

<WV-CSP-Message xmlns="http://www.wireless-village.org/CSP1.0">
  <Session>
    <SessionDescriptor>
      <SessionType>Outband</SessionType>
    </SessionDescriptor>
    <Transaction>
      <TransactionDescriptor>
        <TransactionMode>Response</TransactionMode>
        <TransactionID>IMApp01#12345@NOK5110</TransactionID>
        <Poll>F</Poll>
      </TransactionDescriptor>
    </Transaction>
  </Session>
</WV-CSP-Message>

```

```

</TransactionDescriptor>
<TransactionContent xmlns="http://www.wireless-village.org/TRC1.0">
  <ClientCapability-Response>
    <ClientID>
      <URL>http://206.226.10.25:80/IMPSAPP</URL>
    </ClientID>
    <CapabilityList>
      <InitialDeliveryMethod>P</InitialDeliveryMethod>
      <AcceptedContentType>text/plain; charset=us-
ascii</AcceptedContentType>
      <AcceptedContentType>application/x-sms</AcceptedContentType>
      <AcceptedContentType>text/x-vCard; charset=us-
ascii</AcceptedContentType>
      <AcceptedContentType>text/x-vCalendar; charset=us-
ascii</AcceptedContentType>
      <AcceptedTransferEncoding>BASE64</AcceptedTransferEncoding>
      <AcceptedContentLength>32767</AcceptedContentLength>
      <SupportedBearer>SMS</SupportedBearer>
      <SupportedBearer>WSP</SupportedBearer>
      <SupportedBearer>HTTP</SupportedBearer>
      <MultiTrans>1</MultiTrans>
      <ParserSize>32767</ParserSize>
      <SupportedCIRMethod>WAPSMS</SupportedCIRMethod>
      <SupportedCIRMethod>WAPUDP</SupportedCIRMethod>
      <SupportedCIRMethod>SUDP</SupportedCIRMethod>
      <SupportedCIRMethod>STCP</SupportedCIRMethod>
      <UDPPort>91</UDPPort>
      <TCPAddress>100.100.100.100</ServerPollMin>
      <TCPPort>98</TCPPort>
      <ServerPollMin>3</ServerPollMin>
    </CapabilityList>
  </ClientCapability-Response>
</TransactionContent>
</Transaction>
</Session>
</WV-CSP-Message>

```

6.7 Logout transaction

6.7.1 Logout-Request primitive

```

<WV-CSP-Message xmlns="http://www.wireless-village.org/CSP1.0">
  <Session>
    <SessionDescriptor>
      <SessionType>Inband</SessionType>
      <SessionID>im.user.com#48815@server.com</SessionID>
    </SessionDescriptor>
    <Transaction>
      <TransactionDescriptor>
        <TransactionMode>Request</TransactionMode>
        <TransactionID>IMApp01#12345@NOK5110</TransactionID>
      </TransactionDescriptor>
      <TransactionContent xmlns="http://www.wireless-village.org/TRC1.0">
        <Logout-Request/>
      </TransactionContent>
    </Transaction>
  </Session>
</WV-CSP-Message>

```

6.7.2 Disconnect primitive

```
<WV-CSP-Message xmlns="http://www.wireless-village.org/CSP1.0">
  <Session>
    <SessionDescriptor>
      <SessionType>Inband</SessionType>
      <SessionID>im.user.com#48815@server.com</SessionID>
    </SessionDescriptor>
    <Transaction>
      <TransactionDescriptor>
        <TransactionMode>Response</TransactionMode>
        <TransactionID>IMApp01#12345@NOK5110</TransactionID>
        <Poll>F</Poll>
      </TransactionDescriptor>
      <TransactionContent xmlns="http://www.wireless-village.org/TRC1.0">
        <Disconnect>
          <Result>
            <Code>200</Code>
          </Result>
        </Disconnect>
      </TransactionContent>
    </Transaction>
  </Session>
</WV-CSP-Message>
```

6.8 Server initiated logout transaction

6.8.1 Disconnect primitive

```
<WV-CSP-Message xmlns="http://www.wireless-village.org/CSP1.0">
  <Session>
    <SessionDescriptor>
      <SessionType>Inband</SessionType>
      <SessionID>im.user.com#48815@server.com</SessionID>
    </SessionDescriptor>
    <Transaction>
      <TransactionDescriptor>
        <TransactionMode>Request</TransactionMode>
        <TransactionID>IMApp01#12345@NOK5110</TransactionID>
        <Poll>F</Poll>
      </TransactionDescriptor>
      <TransactionContent xmlns="http://www.wireless-village.org/TRC1.0">
        <Disconnect>
          <Result>
            <Code>601</Code>
            <Description>Updating server software. All services offline for 3
hours.</Description>
          </Result>
        </Disconnect>
      </TransactionContent>
    </Transaction>
  </Session>
</WV-CSP-Message>
```

6.9 Time-out reset transaction

6.9.1 KeepAlive-Request primitive

```
<WV-CSP-Message xmlns="http://www.wireless-village.org/CSP1.0">
  <Session>
    <SessionDescriptor>
```

```

    <SessionType>Inband</SessionType>
    <SessionID>im.user.com#48815@server.com</SessionID>
</SessionDescriptor>
<Transaction>
  <TransactionDescriptor>
    <TransactionMode>Request</TransactionMode>
    <TransactionID>IMApp01#12345@NOK5110</TransactionID>
  </TransactionDescriptor>
  <TransactionContent xmlns="http://www.wireless-village.org/TRC1.0">
    <KeepAlive-Request>
      <TimeToLive>20</TimeToLive>
    </KeepAlive-Request>
  </TransactionContent>
</Transaction>
</Session>
</WV-CSP-Message>

```

6.9.2 Status primitive

```

<WV-CSP-Message xmlns="http://www.wireless-village.org/CSP1.0">
  <Session>
    <SessionDescriptor>
      <SessionType>Inband</SessionType>
      <SessionID>im.user.com#48815@server.com</SessionID>
    </SessionDescriptor>
    <Transaction>
      <TransactionDescriptor>
        <TransactionMode>Response</TransactionMode>
        <TransactionID>IMApp01#12345@NOK5110</TransactionID>
        <Poll>F</Poll>
      </TransactionDescriptor>
      <TransactionContent xmlns="http://www.wireless-village.org/TRC1.0">
        <Status>
          <Result>
            <Code>200</Code>
            <Description>Successfully completed.</Description>
          </Result>
          <KeepAliveTime>120</KeepAliveTime>
        </Status>
      </TransactionContent>
    </Transaction>
  </Session>
</WV-CSP-Message>

```

6.10 Get service provider info transaction

6.10.1 GetSPInfo-Request primitive

```

<WV-CSP-Message xmlns="http://www.wireless-village.org/CSP1.0">
  <Session>
    <SessionDescriptor>
      <SessionType>Outband</SessionType>
    </SessionDescriptor>
    <Transaction>
      <TransactionDescriptor>
        <TransactionMode>Request</TransactionMode>
        <TransactionID>IMApp01#12345@NOK5110</TransactionID>
      </TransactionDescriptor>
      <TransactionContent xmlns="http://www.wireless-village.org/TRC1.0">
        <GetSPInfo-Request>
          <ClientID>

```

```

        <URL>http://206.226.10.25:80/IMPSAPP</URL>
      </ClientID>
    </GetSPInfo-Request>
  </TransactionContent>
</Transaction>
</Session>
</WV-CSP-Message>

```

6.10.2 GetSPInfo-Response primitive

```

<WV-CSP-Message xmlns="http://www.wireless-village.org/CSP1.0">
  <Session>
    <SessionDescriptor>
      <SessionType>Outband</SessionType>
    </SessionDescriptor>
    <Transaction>
      <TransactionDescriptor>
        <TransactionMode>Response</TransactionMode>
        <TransactionID>IMApp01#12345@NOK5110</TransactionID>
        <Poll>F</Poll>
      </TransactionDescriptor>
      <TransactionContent xmlns="http://www.wireless-village.org/TRC1.0">
        <GetSPInfo-Response>
          <ClientID>
            <URL>http://206.226.10.25:80/IMPSAPP</URL>
          </ClientID>
          <Name>Fake Chocholate Co.</Name>
          <Logo>
            <ContentType>application/vnd.wap.mms-message</ContentType>
            <ContentSize>1234</ContentSize>
            <ContentEncoding>BASE64</ContentEncoding>
            <ContentData>Base64EncodedDataHere</ContentData>
          </Logo>
          <Description>We make the fakest chocholate in the
world!</Description>
          <URL>http://www.fake-chocholate.co.uk</URL>
        </GetSPInfo-Response>
      </TransactionContent>
    </Transaction>
  </Session>
</WV-CSP-Message>

```

6.11 General search transaction

6.11.1 Search-Request (1st) primitive

```

<WV-CSP-Message xmlns="http://www.wireless-village.org/CSP1.0">
  <Session>
    <SessionDescriptor>
      <SessionType>Inband</SessionType>
      <SessionID>im.user.com#48815@server.com</SessionID>
    </SessionDescriptor>
    <Transaction>
      <TransactionDescriptor>
        <TransactionMode>Request</TransactionMode>
        <TransactionID>IMApp01#12345@NOK5110</TransactionID>
      </TransactionDescriptor>
      <TransactionContent xmlns="http://www.wireless-village.org/TRC1.0">
        <Search-Request>
          <SearchPairList>
            <SearchElement>USER-LAST-NAME</SearchElement>
          </SearchPairList>
        </Search-Request>
      </TransactionContent>
    </Transaction>
  </Session>
</WV-CSP-Message>

```

```

        <SearchString>Smith</SearchString>
      </SearchPairList>
      <SearchOnlineStatus>T</SearchOnlineStatus>
      <SearchLimit>5</SearchLimit>
    </Search-Request>
  </TransactionContent>
</Transaction>
</Session>
</WV-CSP-Message>

```

6.11.2 Search-Response (1st) primitive

```

<WV-CSP-Message xmlns="http://www.wireless-village.org/CSP1.0">
  <Session>
    <SessionDescriptor>
      <SessionType>Inband</SessionType>
      <SessionID>im.user.com#48815@server.com</SessionID>
    </SessionDescriptor>
    <Transaction>
      <TransactionDescriptor>
        <TransactionMode>Response</TransactionMode>
        <TransactionID>IMApp01#12345@NOK5110</TransactionID>
        <Poll>F</Poll>
      </TransactionDescriptor>
      <TransactionContent xmlns="http://www.wireless-village.org/TRC1.0">
        <Search-Response>
          <SearchID>0x23829381</SearchID>
          <SearchFindings>7</SearchFindings>
          <SearchIndex>5</SearchIndex>
          <SearchResult>
            <UserList>
              <User><UserID>wv:he@there.com</UserID></User>
              <User><UserID>wv:she@there.com</UserID></User>
              <User><UserID>wv:matthias@salamander.com</UserID></User>
              <User><UserID>wv:francisco@don.com</UserID></User>
              <User><UserID>wv:john@smith.com</UserID></User>
            </UserList>
          </SearchResult>
        </Search-Response>
      </TransactionContent>
    </Transaction>
  </Session>
</WV-CSP-Message>

```

6.11.3 Search-Request (continued) primitive

```

<WV-CSP-Message xmlns="http://www.wireless-village.org/CSP1.0">
  <Session>
    <SessionDescriptor>
      <SessionType>Inband</SessionType>
      <SessionID>im.user.com#48815@server.com</SessionID>
    </SessionDescriptor>
    <Transaction>
      <TransactionDescriptor>
        <TransactionMode>Request</TransactionMode>
        <TransactionID>IMApp01#12346@NOK5110</TransactionID>
      </TransactionDescriptor>
      <TransactionContent xmlns="http://www.wireless-village.org/TRC1.0">
        <Search-Request>
          <SearchID>0x23829381</SearchID>
          <SearchIndex>6</SearchIndex>
        </Search-Request>
      </TransactionContent>
    </Transaction>
  </Session>
</WV-CSP-Message>

```



```
        </Search-Request>
      </TransactionContent>
    </Transaction>
  </Session>
</WV-CSP-Message>
```

6.11.4 Search-Response (continued) primitive

```
<WV-CSP-Message xmlns="http://www.wireless-village.org/CSP1.0">
  <Session>
    <SessionDescriptor>
      <SessionType>Inband</SessionType>
      <SessionID>im.user.com#48815@server.com</SessionID>
    </SessionDescriptor>
    <Transaction>
      <TransactionDescriptor>
        <TransactionMode>Response</TransactionMode>
        <TransactionID>IMApp01#12346@NOK5110</TransactionID>
        <Poll>F</Poll>
      </TransactionDescriptor>
      <TransactionContent xmlns="http://www.wireless-village.org/TRC1.0">
        <Search-Response>
          <SearchID>0x23829381</SearchID>
          <SearchFindings>7</SearchFindings>
          <SearchIndex>7</SearchIndex>
          <SearchResult>
            <UserList>
              <User><UserID>wv:mary@site.com</UserID></User>
              <User><UserID>wv:anna@server.com</UserID></User>
            </UserList>
          </SearchResult>
        </Search-Response>
      </TransactionContent>
    </Transaction>
  </Session>
</WV-CSP-Message>
```

6.11.5 StopSearch-Request primitive

```
<WV-CSP-Message xmlns="http://www.wireless-village.org/CSP1.0">
  <Session>
    <SessionDescriptor>
      <SessionType>Inband</SessionType>
      <SessionID>im.user.com#48815@server.com</SessionID>
    </SessionDescriptor>
    <Transaction>
      <TransactionDescriptor>
        <TransactionMode>Request</TransactionMode>
        <TransactionID>IMApp01#12347@NOK5110</TransactionID>
      </TransactionDescriptor>
      <TransactionContent xmlns="http://www.wireless-village.org/TRC1.0">
        <StopSearch-Request>
          <SearchID>0x23829381</SearchID>
        </StopSearch-Request>
      </TransactionContent>
    </Transaction>
  </Session>
</WV-CSP-Message>
```

6.11.6 Status primitive

```
<WV-CSP-Message xmlns="http://www.wireless-village.org/CSP1.0">
  <Session>
    <SessionDescriptor>
      <SessionType>Inband</SessionType>
      <SessionID>im.user.com#48815@server.com</SessionID>
    </SessionDescriptor>
    <Transaction>
      <TransactionDescriptor>
        <TransactionMode>Response</TransactionMode>
        <TransactionID>IMApp01#12347@NOK5110</TransactionID>
        <Poll>F</Poll>
      </TransactionDescriptor>
      <TransactionContent xmlns="http://www.wireless-village.org/TRC1.0">
        <Status>
          <Result>
            <Code>200</Code>
          </Result>
        </Status>
      </TransactionContent>
    </Transaction>
  </Session>
</WV-CSP-Message>
```

6.12 General invitation transaction

6.12.1 Invite-Request primitive

```
<WV-CSP-Message xmlns="http://www.wireless-village.org/CSP1.0">
  <Session>
    <SessionDescriptor>
      <SessionType>Inband</SessionType>
      <SessionID>im.user.com#48815@server.com</SessionID>
    </SessionDescriptor>
    <Transaction>
      <TransactionDescriptor>
        <TransactionMode>Request</TransactionMode>
        <TransactionID>IMApp01#12345@NOK5110</TransactionID>
      </TransactionDescriptor>
      <TransactionContent xmlns="http://www.wireless-village.org/TRC1.0">
        <Invite-Request>
          <InviteID>0x38382025</InviteID>
          <InviteType>GR</InviteType>
          <Recipient>
            <User><UserID>wv:he@there.com</UserID></User>
            <User><UserID>wv:she@there.com</UserID></User>
            <Group>
              <ScreenName>
                <Name>Johnny</Name>
                <GroupID>wv:john%2Fpartygroup@there.com</GroupID>
              </ScreenName>
            </Group>
          </Recipient>
          <GroupID>wv:john%2Fpartygroup@there.com</GroupID>
          <InviteNote>Come to party! You have 10 minutes!</InviteNote>
          <ScreenName>
            <Name>WV</Name>
            <GroupID>wv:john%2Fpartygroup@there.com</GroupID>
          </ScreenName>
          <Validity>600</Validity>
        </Invite-Request>
      </TransactionContent>
    </Transaction>
  </Session>
</WV-CSP-Message>
```

```

    </Invite-Request>
  </TransactionContent>
</Transaction>
</Session>
</WV-CSP-Message>

```

6.12.2 Status primitive

```

<WV-CSP-Message xmlns="http://www.wireless-village.org/CSP1.0">
  <Session>
    <SessionDescriptor>
      <SessionType>Inband</SessionType>
      <SessionID>im.user.com#48815@server.com</SessionID>
    </SessionDescriptor>
    <Transaction>
      <TransactionDescriptor>
        <TransactionMode>Response</TransactionMode>
        <TransactionID>IMApp01#12345@NOK5110</TransactionID>
        <Poll>F</Poll>
      </TransactionDescriptor>
      <TransactionContent xmlns="http://www.wireless-village.org/TRC1.0">
        <Status>
          <Result>
            <Code>200</Code>
            <Description>Successfully completed.</Description>
          </Result>
        </Status>
      </TransactionContent>
    </Transaction>
  </Session>
</WV-CSP-Message>

```

6.12.3 InviteUser-Request primitive

```

<WV-CSP-Message xmlns="http://www.wireless-village.org/CSP1.0">
  <Session>
    <SessionDescriptor>
      <SessionType>Inband</SessionType>
      <SessionID>im.user.com#48815@server.com</SessionID>
    </SessionDescriptor>
    <Transaction>
      <TransactionDescriptor>
        <TransactionMode>Request</TransactionMode>
        <TransactionID>IMApp01#12346@NOK5110</TransactionID>
        <Poll>F</Poll>
      </TransactionDescriptor>
      <TransactionContent xmlns="http://www.wireless-village.org/TRC1.0">
        <InviteUser-Request>
          <InviteID>0x38382025</InviteID>
          <InviteType>GR</InviteType>
          <Sender>
            <Group>
              <ScreenName>
                <Name>WV</Name>
                <GroupID>wv:john%2Fpartygroup@there.com</GroupID>
              </ScreenName>
            </Group>
          </Sender>
          <GroupID>wv:john%2Fpartygroup@there.com</GroupID>
          <InviteNote>Come to party!</InviteNote>
          <Validity>600</Validity>
        </InviteUser-Request>
      </TransactionContent>
    </Transaction>
  </Session>
</WV-CSP-Message>

```

```

    </InviteUser-Request>
  </TransactionContent>
</Transaction>
</Session>
</WV-CSP-Message>

```

6.12.4 Status primitive

```

<WV-CSP-Message xmlns="http://www.wireless-village.org/CSP1.0">
  <Session>
    <SessionDescriptor>
      <SessionType>Inband</SessionType>
      <SessionID>im.user.com#48815@server.com</SessionID>
    </SessionDescriptor>
    <Transaction>
      <TransactionDescriptor>
        <TransactionMode>Response</TransactionMode>
        <TransactionID>IMApp01#12346@NOK5110</TransactionID>
      </TransactionDescriptor>
      <TransactionContent xmlns="http://www.wireless-village.org/TRC1.0">
        <Status>
          <Result>
            <Code>200</Code>
            <Description>Successfully completed.</Description>
          </Result>
        </Status>
      </TransactionContent>
    </Transaction>
  </Session>
</WV-CSP-Message>

```

6.12.5 InviteUser-Response primitive

```

<WV-CSP-Message xmlns="http://www.wireless-village.org/CSP1.0">
  <Session>
    <SessionDescriptor>
      <SessionType>Inband</SessionType>
      <ID>0xf000beaf</ID>
    </SessionDescriptor>
    <Transaction>
      <TransactionDescriptor>
        <TransactionMode>Request</TransactionMode>
        <TransactionID>IMApp01#12347@NOK5110</TransactionID>
      </TransactionDescriptor>
      <TransactionContent xmlns="http://www.wireless-village.org/TRC1.0">
        <InviteUser-Response>
          <InviteID>0x38382025</InviteID>
          <Acceptance>T</Acceptance>
          <ResponseNote>OK, just a sec!</ResponseNote>
          <ScreenName>
            <Name>Johnny</Name>
            <GroupID>wv:john%2Fpartygroup@there.com</GroupID>
          </ScreenName>
        </InviteUser-Response>
      </TransactionContent>
    </Transaction>
  </Session>
</WV-CSP-Message>

```

6.12.6 Status primitive

```
<WV-CSP-Message xmlns="http://www.wireless-village.org/CSP1.0">
  <Session>
    <SessionDescriptor>
      <SessionType>Inband</SessionType>
      <SessionID>im.user.com#48815@server.com</SessionID>
    </SessionDescriptor>
    <Transaction>
      <TransactionDescriptor>
        <TransactionMode>Response</TransactionMode>
        <TransactionID>IMApp01#12347@NOK5110</TransactionID>
        <Poll>F</Poll>
      </TransactionDescriptor>
      <TransactionContent xmlns="http://www.wireless-village.org/TRC1.0">
        <Status>
          <Result>
            <Code>200</Code>
            <Description>Successfully completed.</Description>
          </Result>
        </Status>
      </TransactionContent>
    </Transaction>
  </Session>
</WV-CSP-Message>
```

6.12.7 Invite-Response primitive

```
<WV-CSP-Message xmlns="http://www.wireless-village.org/CSP1.0">
  <Session>
    <SessionDescriptor>
      <SessionType>Inband</SessionType>
      <ID>0xf000beaf</ID>
    </SessionDescriptor>
    <Transaction>
      <TransactionDescriptor>
        <TransactionMode>Request</TransactionMode>
        <TransactionID>IMApp01#12348@NOK5110</TransactionID>
        <Poll>F</Poll>
      </TransactionDescriptor>
      <TransactionContent xmlns="http://www.wireless-village.org/TRC1.0">
        <Invite-Response>
          <InviteID>0x38382025</InviteID>
          <Acceptance>T</Acceptance>
          <Sender>
            <Group>
              <ScreenName>
                <Name>WV</Name>
                <GroupID>wv:john%2Fpartygroup@there.com</GroupID>
              </ScreenName>
            </Group>
          </Sender>
          <ResponseNote>OK, just a sec!</ResponseNote>
        </Invite-Response>
      </TransactionContent>
    </Transaction>
  </Session>
</WV-CSP-Message>
```

6.12.8 Status primitive

```
<WV-CSP-Message xmlns="http://www.wireless-village.org/CSP1.0">
  <Session>
    <SessionDescriptor>
      <SessionType>Inband</SessionType>
      <SessionID>im.user.com#48815@server.com</SessionID>
    </SessionDescriptor>
    <Transaction>
      <TransactionDescriptor>
        <TransactionMode>Response</TransactionMode>
        <TransactionID>IMApp01#12348@NOK5110</TransactionID>
      </TransactionDescriptor>
      <TransactionContent xmlns="http://www.wireless-village.org/TRC1.0">
        <Status>
          <Result>
            <Code>200</Code>
            <Description>Successfully completed.</Description>
          </Result>
        </Status>
      </TransactionContent>
    </Transaction>
  </Session>
</WV-CSP-Message>
```

6.13 Recall invitation transaction

6.13.1 CancelInvite-Request primitive

```
<WV-CSP-Message xmlns="http://www.wireless-village.org/CSP1.0">
  <Session>
    <SessionDescriptor>
      <SessionType>Inband</SessionType>
      <SessionID>im.user.com#48815@server.com</SessionID>
    </SessionDescriptor>
    <Transaction>
      <TransactionDescriptor>
        <TransactionMode>Request</TransactionMode>
        <TransactionID>IMApp01#12345@NOK5110</TransactionID>
      </TransactionDescriptor>
      <TransactionContent xmlns="http://www.wireless-village.org/TRC1.0">
        <CancelInvite-Request>
          <InviteID>0x38382025</InviteID>
          <Recipient>
            <User><UserID>wv:he@there.com</UserID></User>
            <User><UserID>wv:she@there.com</UserID></User>
            <Group>
              <ScreenName>
                <Name>Johnny</Name>
                <GroupID>wv:john%2Fpartygroup@there.com</GroupID>
              </ScreenName>
            </Group>
          </Recipient>
          <InviteNote>Time is up!</InviteNote>
          <ScreenName>
            <Name>WV</Name>
            <GroupID>wv:john%2Fpartygroup@there.com</GroupID>
          </ScreenName>
        </CancelInvite-Request>
      </TransactionContent>
    </Transaction>
  </Session>
</WV-CSP-Message>
```

```

</Session>
</WV-CSP-Message>

```

6.13.2 Status primitive

```

<WV-CSP-Message xmlns="http://www.wireless-village.org/CSP1.0">
  <Session>
    <SessionDescriptor>
      <SessionType>Inband</SessionType>
      <SessionID>im.user.com#48815@server.com</SessionID>
    </SessionDescriptor>
    <Transaction>
      <TransactionDescriptor>
        <TransactionMode>Response</TransactionMode>
        <TransactionID>IMApp01#12345@NOK5110</TransactionID>
        <Poll>F</Poll>
      </TransactionDescriptor>
      <TransactionContent xmlns="http://www.wireless-village.org/TRC1.0">
        <Status>
          <Result>
            <Code>200</Code>
            <Description>Successfully completed.</Description>
          </Result>
        </Status>
      </TransactionContent>
    </Transaction>
  </Session>
</WV-CSP-Message>

```

6.13.3 CancelInviteUser-Request primitive

```

<WV-CSP-Message xmlns="http://www.wireless-village.org/CSP1.0">
  <Session>
    <SessionDescriptor>
      <SessionType>Inband</SessionType>
      <SessionID>im.user.com#48815@server.com</SessionID>
    </SessionDescriptor>
    <Transaction>
      <TransactionDescriptor>
        <TransactionMode>Request</TransactionMode>
        <TransactionID>IMApp01#12346@NOK5110</TransactionID>
        <Poll>F</Poll>
      </TransactionDescriptor>
      <TransactionContent xmlns="http://www.wireless-village.org/TRC1.0">
        <CancelInviteUser-Request>
          <InviteID>0x38382025</InviteID>
          <Sender>
            <Group>
              <ScreenName>
                <Name>WV</Name>
                <GroupID>wv:john%2Fpartygroup@there.com</GroupID>
              </ScreenName>
            </Group>
          </Sender>
          <InviteNote>Time is up!</InviteNote>
        </CancelInviteUser-Request>
      </TransactionContent>
    </Transaction>
  </Session>
</WV-CSP-Message>

```

6.13.4 Status primitive

```
<WV-CSP-Message xmlns="http://www.wireless-village.org/CSP1.0">
  <Session>
    <SessionDescriptor>
      <SessionType>Inband</SessionType>
      <SessionID>im.user.com#48815@server.com</SessionID>
    </SessionDescriptor>
    <Transaction>
      <TransactionDescriptor>
        <TransactionMode>Response</TransactionMode>
        <TransactionID>IMApp01#12346@NOK5110</TransactionID>
      </TransactionDescriptor>
      <TransactionContent xmlns="http://www.wireless-village.org/TRC1.0">
        <Status>
          <Result>
            <Code>200</Code>
            <Description>Successfully completed.</Description>
          </Result>
        </Status>
      </TransactionContent>
    </Transaction>
  </Session>
</WV-CSP-Message>
```

6.14 Subscribe/unsubscribe presence transaction

6.14.1 SubscribePresence-Request primitive

```
<WV-CSP-Message xmlns="http://www.wireless-village.org/CSP1.0">
  <Session>
    <SessionDescriptor>
      <SessionType>Inband</SessionType>
      <SessionID>im.user.com#48815@server.com</SessionID>
    </SessionDescriptor>
    <Transaction>
      <TransactionDescriptor>
        <TransactionMode>Request</TransactionMode>
        <TransactionID>IMApp01#12345@NOK5110</TransactionID>
      </TransactionDescriptor>
      <TransactionContent xmlns="http://www.wireless-village.org/TRC1.0">
        <SubscribePresence-Request>
          <ContactList>wv:john%2FContactList-5@smith.com</ContactList>
          <PresenceSubList>
            <OnlineStatus/>
            <Registration/>
            <ClientInfo/>
            <TimeZone/>
            <GeoLocation/>
            <Address/>
            <FreeTextLocation/>
            <PLMN/>
            <CommCap/>
            <UserAvailability/>
            <PreferredContacts/>
            <PreferredLanguage/>
            <StatusText/>
            <StatusMood/>
            <Alias/>
            <StatusContent/>
            <ContactInfo/>
          </PresenceSubList>
        </SubscribePresence-Request>
      </TransactionContent>
    </Transaction>
  </Session>
</WV-CSP-Message>
```



```

        </PresenceSubList>
    </SubscribePresence-Request>
</TransactionContent>
</Transaction>
</Session>
</WV-CSP-Message>

```

6.14.2 Status primitive

```

<WV-CSP-Message xmlns="http://www.wireless-village.org/CSP1.0">
  <Session>
    <SessionDescriptor>
      <SessionType>Inband</SessionType>
      <SessionID>im.user.com#48815@server.com</SessionID>
    </SessionDescriptor>
    <Transaction>
      <TransactionDescriptor>
        <TransactionMode>Response</TransactionMode>
        <TransactionID>IMApp01#12345@NOK5110</TransactionID>
        <Poll>F</Poll>
      </TransactionDescriptor>
      <TransactionContent xmlns="http://www.wireless-village.org/TRC1.0">
        <Status>
          <Result>
            <Code>200</Code>
            <Description>Successfully completed.</Description>
          </Result>
        </Status>
      </TransactionContent>
    </Transaction>
  </Session>
</WV-CSP-Message>

```

6.14.3 PresenceNotification-Request primitive

```

<WV-CSP-Message xmlns="http://www.wireless-village.org/CSP1.0">
  <Session>
    <SessionDescriptor>
      <SessionType>Inband</SessionType>
      <SessionID>im.user.com#48815@server.com</SessionID>
    </SessionDescriptor>
    <Transaction>
      <TransactionDescriptor>
        <TransactionMode>Request</TransactionMode>
        <TransactionID>IMApp01#12346@NOK5110</TransactionID>
        <Poll>F</Poll>
      </TransactionDescriptor>
      <TransactionContent xmlns="http://www.wireless-village.org/TRC1.0">
        <PresenceNotification-Request>
          <Presence>
            <UserID>wv:he@there.com</UserID>
            <PresenceSubList xmlns="http://www.wireless-village.org/PA1.0">
              <OnlineStatus>
                <Qualifier>T</Qualifier>
                <PresenceValue>T</PresenceValue>
              </OnlineStatus>
              <Registration>
                <Qualifier>T</Qualifier>
                <PresenceValue>T</PresenceValue>
              </Registration>
            </PresenceSubList>
            <ClientInfo>

```

```
<Qualifier>T</Qualifier>
<ClientType>MOBILE_PHONE</ClientType>
<DevManufacturer>ABC Company</DevManufacturer>
<Model>xyz200</Model>
<Language>fin</Language>
</ClientInfo>
<TimeZone>
  <Qualifier>T</Qualifier>
  <Zone>+02</Zone>
</TimeZone>
<GeoLocation>
  <Qualifier>T</Qualifier>
  <Longitude>35 24 15.652W</Longitude>
  <Latitude>12 36 22.5N</Latitude>
  <Accuracy>200</Accuracy>
</GeoLocation>
<Address>
  <Qualifier>T</Qualifier>
  <Country>GB</Country>
  <City>London</City>
</Address>
<FreeTextLocation>
  <Qualifier>T</Qualifier>
  <PresenceValue>At home</PresenceValue>
</FreeTextLocation>
<PLMN>
  <Qualifier>T</Qualifier>
  <PresenceValue>Sonera</PresenceValue>
</PLMN>
<CommCap>
  <Qualifier>T</Qualifier>
  <CommC>AUDIO_CALL</CommC>
  <CommC>SMS</CommC>
  <CommC>MMS</CommC>
  <CommC>IM_ONLINE</CommC>
  <CommC>EMAIL</CommC>
</CommCap>
<UserAvailability>
  <Qualifier>T</Qualifier>
  <PresenceValue>AVAILABLE</PresenceValue>
</UserAvailability>
<PreferredContacts>
  <Qualifier>T</Qualifier>
  <AddrPrefC>
    <PrefC>CALL</PrefC>
    <Caddr>+35804123123</Caddr>
  </AddrPref>
  <AddrPref>
    <PrefC>SMS</PrefC>
    <Caddr>+35804123123</Caddr>
  </AddrPref>
  <AddrPref>
    <PrefC>IM</PrefC>
    <Caddr>ari@im.com</Caddr>
  </AddrPref>
</PreferredContacts>
<PreferredLanguage>
  <Qualifier>T</Qualifier>
  <PresenceValue>fin</PresenceValue>
</PreferredLanguage>
<StatusText>
  <Qualifier>T</Qualifier>
```

```

        <PresenceValue>Busy editing a document</PresenceValue>
    </StatusText>
    <StatusMood>
        <Qualifier>T</Qualifier>
        <PresenceValue>SLEEPY</PresenceValue>
    </StatusMood>
    <Alias>
        <Qualifier>T</Qualifier>
        <PresenceValue>He</PresenceValue>
    </Alias>
    <StatusContent>
        <Qualifier>T</Qualifier>
        <ReferredContent>http://www.foo.com/MyLogo</ReferredContent>
    </StatusContent>
    <ContactInfo>
        <Qualifier>T</Qualifier>
        <ReferredvCard>http://www.foo.com/MyCard</ReferredvCard>
    </ContactInfo>
    </PresenceSubList>
</Presence>
</PresenceNotification-Request>
</TransactionContent>
</Transaction>
</Session>
</WV-CSP-Message>

```

6.14.4 Status primitive

```

<WV-CSP-Message xmlns="http://www.wireless-village.org/CSP1.0">
  <Session>
    <SessionDescriptor>
      <SessionType>Inband</SessionType>
      <SessionID>im.user.com#48815@server.com</SessionID>
    </SessionDescriptor>
    <Transaction>
      <TransactionDescriptor>
        <TransactionMode>Response</TransactionMode>
        <TransactionID>IMApp01#12346@NOK5110</TransactionID>
      </TransactionDescriptor>
      <TransactionContent xmlns="http://www.wireless-village.org/TRC1.0">
        <Status>
          <Result>
            <Code>200</Code>
            <Description>Successfully completed.</Description>
          </Result>
        </Status>
      </TransactionContent>
    </Transaction>
  </Session>
</WV-CSP-Message>

```

6.14.5 UnsubscribePresence-Request primitive

```

<WV-CSP-Message xmlns="http://www.wireless-village.org/CSP1.0">
  <Session>
    <SessionDescriptor>
      <SessionType>Inband</SessionType>
      <SessionID>im.user.com#48815@server.com</SessionID>
    </SessionDescriptor>
    <Transaction>
      <TransactionDescriptor>

```

```

    <TransactionMode>Request</TransactionMode>
    <TransactionID>IMApp01#12347@NOK5110</TransactionID>
  </TransactionDescriptor>
  <TransactionContent xmlns="http://www.wireless-village.org/TRC1.0">
    <UnsubscribePresence-Request>
      <ContactList>wv:john%2FContactList-5@smith.com</ContactList>
    </UnsubscribePresence-Request>
  </TransactionContent>
</Transaction>
</Session>
</WV-CSP-Message>

```

6.14.6 Status primitive

```

<WV-CSP-Message xmlns="http://www.wireless-village.org/CSP1.0">
  <Session>
    <SessionDescriptor>
      <SessionType>Inband</SessionType>
      <SessionID>im.user.com#48815@server.com</SessionID>
    </SessionDescriptor>
    <Transaction>
      <TransactionDescriptor>
        <TransactionMode>Response</TransactionMode>
        <TransactionID>IMApp01#12347@NOK5110</TransactionID>
        <Poll>F</Poll>
      </TransactionDescriptor>
      <TransactionContent xmlns="http://www.wireless-village.org/TRC1.0">
        <Status>
          <Result>
            <Code>200</Code>
            <Description>Successfully completed.</Description>
          </Result>
        </Status>
      </TransactionContent>
    </Transaction>
  </Session>
</WV-CSP-Message>

```

6.15 Get watcher list transaction

6.15.1 GetWatcherList-Request primitive

```

<WV-CSP-Message xmlns="http://www.wireless-village.org/CSP1.0">
  <Session>
    <SessionDescriptor>
      <SessionType>Inband</SessionType>
      <SessionID>im.user.com#48815@server.com</SessionID>
    </SessionDescriptor>
    <Transaction>
      <TransactionDescriptor>
        <TransactionMode>Request</TransactionMode>
        <TransactionID>IMApp01#12345@NOK5110</TransactionID>
      </TransactionDescriptor>
      <TransactionContent xmlns="http://www.wireless-village.org/TRC1.0">
        <GetWatcherList-Request/>
      </TransactionContent>
    </Transaction>
  </Session>
</WV-CSP-Message>

```

6.15.2 GetWatcherList-Response primitive

```
<WV-CSP-Message xmlns="http://www.wireless-village.org/CSP1.0">
  <Session>
    <SessionDescriptor>
      <SessionType>Inband</SessionType>
      <SessionID>im.user.com#48815@server.com</SessionID>
    </SessionDescriptor>
    <Transaction>
      <TransactionDescriptor>
        <TransactionMode>Response</TransactionMode>
        <TransactionID>IMApp01#12345@NOK5110</TransactionID>
        <Poll>F</Poll>
      </TransactionDescriptor>
      <TransactionContent xmlns="http://www.wireless-village.org/TRC1.0">
        <GetWatcherList-Response>
          <UserList>
            <User><UserID>wv:he@there.com</UserID></User>
            <User><UserID>wv:she@there.com</UserID></User>
          </UserList>
        </GetWatcherList-Response>
      </TransactionContent>
    </Transaction>
  </Session>
</WV-CSP-Message>
```

6.16 Get presence transaction

6.16.1 GetPresence-Request primitive

```
<WV-CSP-Message xmlns="http://www.wireless-village.org/CSP1.0">
  <Session>
    <SessionDescriptor>
      <SessionType>Inband</SessionType>
      <SessionID>im.user.com#48815@server.com</SessionID>
    </SessionDescriptor>
    <Transaction>
      <TransactionDescriptor>
        <TransactionMode>Request</TransactionMode>
        <TransactionID>IMApp01#12345@NOK5110</TransactionID>
      </TransactionDescriptor>
      <TransactionContent xmlns="http://www.wireless-village.org/TRC1.0">
        <GetPresence-Request>
          <UserList>
            <User><UserID>wv:he@there.com</UserID></User>
            <User><UserID>wv:she@there.com</UserID></User>
          </UserList>
          <PresenceSubList xmlns="http://www.wireless-village.org/PA1.0">
            <OnlineStatus/>
            <Registration/>
            <ClientInfo/>
            <TimeZone/>
            <GeoLocation/>
            <Address/>
            <FreeTextLocation/>
            <PLMN/>
            <CommCap/>
            <UserAvailability/>
            <PreferredContacts/>
            <PreferredLanguage/>
            <StatusText/>
          </PresenceSubList>
        </GetPresence-Request>
      </TransactionContent>
    </Transaction>
  </Session>
</WV-CSP-Message>
```

```

        <StatusMood/>
        <Alias/>
        <StatusContent/>
        <ContactInfo/>
    </PresenceSubList>
</GetPresence-Request>
</TransactionContent>
</Transaction>
</Session>
</WV-CSP-Message>

```

6.16.2 GetPresence-Response primitive

```

<WV-CSP-Message xmlns="http://www.wireless-village.org/CSP1.0">
  <Session>
    <SessionDescriptor>
      <SessionType>Inband</SessionType>
      <SessionID>im.user.com#48815@server.com</SessionID>
    </SessionDescriptor>
    <Transaction>
      <TransactionDescriptor>
        <TransactionMode>Response</TransactionMode>
        <TransactionID>IMApp01#12345@NOK5110</TransactionID>
        <Poll>F</Poll>
      </TransactionDescriptor>
      <TransactionContent xmlns="http://www.wireless-village.org/TRC1.0">
        <GetPresence-Response>
          <Result>
            <Code>200</Code>
            <Description>Successfully completed.</Description>
          </Result>
          <Presence>
            <UserID>wv:he@there.com</UserID>
            <PresenceSubList xmlns="http://www.wireless-village.org/PA1.0">
              <OnlineStatus>
                <Qualifier>T</Qualifier>
                <PresenceValue>T</PresenceValue>
              </OnlineStatus>
              <Registration>
                <Qualifier>T</Qualifier>
                <PresenceValue>T</PresenceValue>
              </Registration>
              <ClientInfo>
                <Qualifier>T</Qualifier>
                <ClientType>MOBILE_PHONE</ClientType>
                <DevManufacturer>ABC Company</DevManufacturer>
                <Model>xyz200</Model>
                <Language>fin</Language>
              </ClientInfo>
              <TimeZone>
                <Qualifier>T</Qualifier>
                <Zone>+02</Zone>
              </TimeZone>
              <GeoLocation>
                <Qualifier>T</Qualifier>
                <Longitude>35 24 15.652W</Longitude>
                <Latitude>12 36 22.5N</Latitude>
                <Accuracy>200</Accuracy>
              </GeoLocation>
              <Address>
                <Qualifier>T</Qualifier>

```

```
<Country>GB</Country>
<City>London</City>
</Address>
<FreeTextLocation>
  <Qualifier>T</Qualifier>
  <PresenceValue>At home</PresenceValue>
</FreeTextLocation>
<PLMN>
  <Qualifier>T</Qualifier>
  <PresenceValue>Sonera</PresenceValue>
</PLMN>
<CommCap>
  <Qualifier>T</Qualifier>
  <CommC>AUDIO_CALL</CommC>
  <CommC>SMS</CommC>
  <CommC>MMS</CommC>
  <CommC>IM_ONLINE</CommC>
  <CommC>EMAIL</CommC>
</CommCap>
<UserAvailability>
  <Qualifier>T</Qualifier>
  <PresenceValue>AVAILABLE</PresenceValue>
</UserAvailability>
<PreferredContacts>
  <Qualifier>T</Qualifier>
  <AddrPrefC>
    <PrefC>CALL</PrefC>
    <Caddr>+35804123123</Caddr>
  </AddrPref>
  <AddrPref>
    <PrefC>SMS</PrefC>
    <Caddr>+35804123123</Caddr>
  </AddrPref>
  <AddrPref>
    <PrefC>IM</PrefC>
    <Caddr>ari@im.com</Caddr>
  </AddrPref>
</PreferredContacts>
<PreferredLanguage>
  <Qualifier>T</Qualifier>
  <PresenceValue>fin</PresenceValue>
</PreferredLanguage>
<StatusText>
  <Qualifier>T</Qualifier>
  <PresenceValue>Busy editing a document</PresenceValue>
</StatusText>
<StatusMood>
  <Qualifier>T</Qualifier>
  <PresenceValue>SLEEPY</PresenceValue>
</StatusMood>
<Alias>
  <Qualifier>T</Qualifier>
  <PresenceValue>He</PresenceValue>
</Alias>
<StatusContent>
  <Qualifier>T</Qualifier>
  <ReferredContent>http://www.foo.com/MyLogo</ReferredContent>
</StatusContent>
<ContactInfo>
  <Qualifier>T</Qualifier>
  <ReferredvCard>http://www.foo.com/MyCard</ReferredvCard>
</ContactInfo>
```

```
</PresenceSubList>
</Presence>
<Presence>
  <UserID>wv:she@there.com</UserID>
  <PresenceSubList xmlns="http://www.wireless-village.org/PA1.0">
    <OnlineStatus>
      <Qualifier>T</Qualifier>
      <PresenceValue>T</PresenceValue>
    </OnlineStatus>
    <Registration>
      <Qualifier>T</Qualifier>
      <PresenceValue>T</PresenceValue>
    </Registration>
    <ClientInfo>
      <Qualifier>T</Qualifier>
      <ClientType>MOBILE_PHONE</ClientType>
      <DevManufacturer>ABC Company</DevManufacturer>
      <Model>xyz200</Model>
      <Language>fin</Language>
    </ClientInfo>
    <TimeZone>
      <Qualifier>T</Qualifier>
      <Zone>+02</Zone>
    </TimeZone>
    <GeoLocation>
      <Qualifier>T</Qualifier>
      <Longitude>35 24 15.652W</Longitude>
      <Latitude>12 36 22.5N</Latitude>
      <Accuracy>200</Accuracy>
    </GeoLocation>
    <Address>
      <Qualifier>T</Qualifier>
      <Country>GB</Country>
      <City>London</City>
    </Address>
    <FreeTextLocation>
      <Qualifier>T</Qualifier>
      <PresenceValue>At home</PresenceValue>
    </FreeTextLocation>
    <PLMN>
      <Qualifier>T</Qualifier>
      <PresenceValue>Sonera</PresenceValue>
    </PLMN>
    <CommCap>
      <Qualifier>T</Qualifier>
      <CommC>AUDIO_CALL</CommC>
      <CommC>SMS</CommC>
      <CommC>MMS</CommC>
      <CommC>IM_ONLINE</CommC>
      <CommC>EMAIL</CommC>
    </CommCap>
    <UserAvailability>
      <Qualifier>T</Qualifier>
      <PresenceValue>AVAILABLE</PresenceValue>
    </UserAvailability>
    <PreferredContacts>
      <Qualifier>T</Qualifier>
      <AddrPrefC>
        <PrefC>CALL</PrefC>
        <Caddr>+35804123123</Caddr>
      </AddrPrefC>

```



```

    <AddrPref>
      <PrefC>SMS</PrefC>
      <Caddr>+35804123123</Caddr>
    </AddrPref>
    <AddrPref>
      <PrefC>IM</PrefC>
      <Caddr>ari@im.com</Caddr>
  </PreferredContacts>
  <PreferredLanguage>
    <Qualifier>T</Qualifier>
    <PresenceValue>fin</PresenceValue>
  </PreferredLanguage>
  <StatusText>
    <Qualifier>T</Qualifier>
    <PresenceValue>Busy editing a document</PresenceValue>
  </StatusText>
  <StatusMood>
    <Qualifier>T</Qualifier>
    <PresenceValue>SLEEPY</PresenceValue>
  </StatusMood>
  <Alias>
    <Qualifier>T</Qualifier>
    <PresenceValue>She</PresenceValue>
  </Alias>
  <StatusContent>
    <Qualifier>T</Qualifier>
    <DirectContent>BASE64EncodedDataHere</DirectContent>
  </StatusContent>
  <ContactInfo>
    <Qualifier>T</Qualifier>
    <ContainedvCard>vCardDataHere</ContainedvCard>
  </ContactInfo>
</PresenceSubList>
</Presence>
</GetPresence-Response>
</TransactionContent>
</Transaction>
</Session>
</WV-CSP-Message>

```

6.17 Reactive presence authorization transaction

6.17.1 PresenceAuth-Request primitive

```

<WV-CSP-Message xmlns="http://www.wireless-village.org/CSP1.0">
  <Session>
    <SessionDescriptor>
      <SessionType>Outband</SessionType>
    </SessionDescriptor>
    <Transaction>
      <TransactionDescriptor>
        <TransactionMode>Request</TransactionMode>
        <TransactionID>IMApp01#12345@NOK5110</TransactionID>
        <Poll>F</Poll>
      </TransactionDescriptor>
      <TransactionContent xmlns="http://www.wireless-village.org/TRC1.0">
        <PresenceAuth-Request>
          <UserID>wv:matthias@salamander.com</UserID>
          <PresenceSubList xmlns="http://www.wireless-village.org/PA1.0">
            <OnlineStatus/>
            <Registration/>
          </PresenceSubList>
        </PresenceAuth-Request>
      </TransactionContent>
    </Transaction>
  </Session>
</WV-CSP-Message>

```

```

        <ClientInfo/>
        <TimeZone/>
        <GeoLocation/>
        <Address/>
        <FreeTextLocation/>
        <PLMN/>
        <CommCap/>
        <UserAvailability/>
        <PreferredContacts/>
        <PreferredLanguage/>
        <StatusText/>
        <StatusMood/>
        <Alias/>
        <StatusContent/>
        <ContactInfo/>
    </PresenceSubList>
</PresenceAuth-Request>
</TransactionContent>
</Transaction>
</Session>
</WV-CSP-Message>

```

6.17.2 Status primitive

```

<WV-CSP-Message xmlns="http://www.wireless-village.org/CSP1.0">
  <Session>
    <SessionDescriptor>
      <SessionType>Inband</SessionType>
      <SessionID>im.user.com#48815@server.com</SessionID>
    </SessionDescriptor>
    <Transaction>
      <TransactionDescriptor>
        <TransactionMode>Response</TransactionMode>
        <TransactionID>IMApp01#12345@NOK5110</TransactionID>
      </TransactionDescriptor>
      <TransactionContent xmlns="http://www.wireless-village.org/TRC1.0">
        <Status>
          <Result>
            <Code>200</Code>
          </Result>
        </Status>
      </TransactionContent>
    </Transaction>
  </Session>
</WV-CSP-Message>

```

6.17.3 PresenceAuth-Response primitive

```

<WV-CSP-Message xmlns="http://www.wireless-village.org/CSP1.0">
  <Session>
    <SessionDescriptor>
      <SessionType>Inband</SessionType>
      <SessionID>im.user.com#48815@server.com</SessionID>
    </SessionDescriptor>
    <Transaction>
      <TransactionDescriptor>
        <TransactionMode>Response</TransactionMode>
        <TransactionID>IMApp01#12346@NOK5110</TransactionID>
      </TransactionDescriptor>
      <TransactionContent xmlns="http://www.wireless-village.org/TRC1.0">
        <PresenceAuth-Response>

```

```

        <UserID>wv:matthias@salamander.com</UserID>
        <Acceptance>T</Acceptance>
    </PresenceAuth-Response>
</TransactionContent>
</Transaction>
</Session>
</WV-CSP-Message>

```

6.17.4 Status primitive

```

<WV-CSP-Message xmlns="http://www.wireless-village.org/CSP1.0">
  <Session>
    <SessionDescriptor>
      <SessionType>Inband</SessionType>
      <SessionID>im.user.com#48815@server.com</SessionID>
    </SessionDescriptor>
    <Transaction>
      <TransactionDescriptor>
        <TransactionMode>Response</TransactionMode>
        <TransactionID>IMApp01#12346@NOK5110</TransactionID>
        <Poll>F</Poll>
      </TransactionDescriptor>
      <TransactionContent xmlns="http://www.wireless-village.org/TRC1.0">
        <Status>
          <Result>
            <Code>200</Code>
          </Result>
        </Status>
      </TransactionContent>
    </Transaction>
  </Session>
</WV-CSP-Message>

```

6.18 Cancel presence authorization transaction

6.18.1 CancelAuth-Request primitive

```

<WV-CSP-Message xmlns="http://www.wireless-village.org/CSP1.0">
  <Session>
    <SessionDescriptor>
      <SessionType>Inband</SessionType>
      <SessionID>im.user.com#48815@server.com</SessionID>
    </SessionDescriptor>
    <Transaction>
      <TransactionDescriptor>
        <TransactionMode>Request</TransactionMode>
        <TransactionID>IMApp01#12345@NOK5110</TransactionID>
      </TransactionDescriptor>
      <TransactionContent xmlns="http://www.wireless-village.org/TRC1.0">
        <CancelAuth-Request>
          <UserID>wv:matthias@salamander.com</UserID>
        </CancelAuth-Request>
      </TransactionContent>
    </Transaction>
  </Session>
</WV-CSP-Message>

```

6.18.2 Status primitive

```

<WV-CSP-Message xmlns="http://www.wireless-village.org/CSP1.0">
  <Session>

```

```
<SessionDescriptor>
  <SessionType>Inband</SessionType>
  <SessionID>im.user.com#48815@server.com</SessionID>
</SessionDescriptor>
<Transaction>
  <TransactionDescriptor>
    <TransactionMode>Response</TransactionMode>
    <TransactionID>IMApp01#12345@NOK5110</TransactionID>
    <Poll>F</Poll>
  </TransactionDescriptor>
  <TransactionContent xmlns="http://www.wireless-village.org/TRC1.0">
    <Status>
      <Result>
        <Code>200</Code>
        <Description>Successfully completed.</Description>
      </Result>
    </Status>
  </TransactionContent>
</Transaction>
</Session>
</WV-CSP-Message>
```

6.19 Update presence transaction

6.19.1 UpdatePresence-Request primitive

```
<WV-CSP-Message xmlns="http://www.wireless-village.org/CSP1.0">
  <Session>
    <SessionDescriptor>
      <SessionType>Inband</SessionType>
      <SessionID>im.user.com#48815@server.com</SessionID>
    </SessionDescriptor>
    <Transaction>
      <TransactionDescriptor>
        <TransactionMode>Request</TransactionMode>
        <TransactionID>IMApp01#12345@NOK5110</TransactionID>
      </TransactionDescriptor>
      <TransactionContent xmlns="http://www.wireless-village.org/TRC1.0">
        <UpdatePresence-Request>
          <PresenceSubList xmlns="http://www.wireless-village.org/PA1.0">
            <StatusText>
              <Qualifier>T</Qualifier>
              <PresenceValue>on the way home</PresenceValue>
            </StatusText>
            <StatusMood>
              <Qualifier>T</Qualifier>
              <PresenceValue>HAPPY</PresenceValue>
            </StatusMood>
          </PresenceSubList>
        </UpdatePresence-Request>
      </TransactionContent>
    </Transaction>
  </Session>
</WV-CSP-Message>
```

6.19.2 Status primitive

```
<WV-CSP-Message xmlns="http://www.wireless-village.org/CSP1.0">
  <Session>
    <SessionDescriptor>
      <SessionType>Inband</SessionType>
```

```

    <SessionID>im.user.com#48815@server.com</SessionID>
  </SessionDescriptor>
</Transaction>
  <TransactionDescriptor>
    <TransactionMode>Response</TransactionMode>
    <TransactionID>IMApp01#12345@NOK5110</TransactionID>
    <Poll>F</Poll>
  </TransactionDescriptor>
  <TransactionContent xmlns="http://www.wireless-village.org/TRC1.0">
    <Status>
      <Result>
        <Code>200</Code>
        <Description>Successfully completed.</Description>
      </Result>
    </Status>
  </TransactionContent>
</Transaction>
</Session>
</WV-CSP-Message>

```

6.20 Send message transaction

6.20.1 SendMessage-Request primitive

```

<WV-CSP-Message xmlns="http://www.wireless-village.org/CSP1.0">
  <Session>
    <SessionDescriptor>
      <SessionType>Inband</SessionType>
      <SessionID>im.user.com#48815@server.com</SessionID>
    </SessionDescriptor>
    <Transaction>
      <TransactionDescriptor>
        <TransactionMode>Request</TransactionMode>
        <TransactionID>IMApp01#12345@NOK5110</TransactionID>
      </TransactionDescriptor>
      <TransactionContent xmlns="http://www.wireless-village.org/TRC1.0">
        <SendMessage-Request>
          <DeliveryReport>T</DeliveryReport>
          <MessageInfo>
            <ContentType>text/plain</ContentType>
            <ContentEncoding>None</ContentEncoding>
            <ContentSize>58</ContentSize>
            <Recipient>
              <User>
                <UserID>wv:he@there.com</UserID>
              </User>
              <Group>
                <ScreenName>
                  <Name>Wicked Vicky</Name>
                  <GroupID>wv:john%2Fchatgroup@there.com</GroupID>
                </ScreenName>
              </Group>
              <ContactList>wv:john%2FMy_friends@smith.com</ContactList>
            </Recipient>
            <Sender>
              <User>
                <UserID>wv:john@smith.com</UserID>
              </User>
            </Sender>
            <DateTime>20010925T1340Z</DateTime>
            <Validity>600</Validity>
          </SendMessage-Request>
        </TransactionContent>
      </Transaction>
    </Session>
  </WV-CSP-Message>

```

```

        </MessageInfo>
        <ContentData>Hurry up; they are ringing the bells in the WV
already...</ContentData>
    </SendMessage-Request>
</TransactionContent>
</Transaction>
</Session>
</WV-CSP-Message>

```

6.20.2 SendMessage-Response primitive

```

<WV-CSP-Message xmlns="http://www.wireless-village.org/CSP1.0">
  <Session>
    <SessionDescriptor>
      <SessionType>Inband</SessionType>
      <SessionID>im.user.com#48815@server.com</SessionID>
    </SessionDescriptor>
    <Transaction>
      <TransactionDescriptor>
        <TransactionMode>Response</TransactionMode>
        <TransactionID>IMApp01#12345@NOK5110</TransactionID>
        <Poll>F</Poll>
      </TransactionDescriptor>
      <TransactionContent xmlns="http://www.wireless-village.org/TRC1.0">
        <SendMessage-Response>
          <Result>
            <Code>200</Code>
            <Description>Successfully completed.</Description>
          </Result>
          <MessageID>0x0000f132</MessageID>
        </SendMessage-Response>
      </TransactionContent>
    </Transaction>
  </Session>
</WV-CSP-Message>

```

6.21 Set delivery method transaction

6.21.1 SetDeliveryMethod-Request primitive

```

<WV-CSP-Message xmlns="http://www.wireless-village.org/CSP1.0">
  <Session>
    <SessionDescriptor>
      <SessionType>Inband</SessionType>
      <SessionID>im.user.com#48815@server.com</SessionID>
    </SessionDescriptor>
    <Transaction>
      <TransactionDescriptor>
        <TransactionMode>Request</TransactionMode>
        <TransactionID>IMApp01#12345@NOK5110</TransactionID>
      </TransactionDescriptor>
      <TransactionContent xmlns="http://www.wireless-village.org/TRC1.0">
        <SetDeliveryMethod-Request>
          <DeliveryMethod>P</DeliveryMethod>
          <AcceptedContentLength>2048</AcceptedContentLength>
          <GroupID>wv:%2Fchatgroup@server.com</GroupID>
        </SetDeliveryMethod-Request>
      </TransactionContent>
    </Transaction>
  </Session>
</WV-CSP-Message>

```

6.21.2 Status primitive

```
<WV-CSP-Message xmlns="http://www.wireless-village.org/CSP1.0">
  <Session>
    <SessionDescriptor>
      <SessionType>Inband</SessionType>
      <SessionID>im.user.com#48815@server.com</SessionID>
    </SessionDescriptor>
    <Transaction>
      <TransactionDescriptor>
        <TransactionMode>Response</TransactionMode>
        <TransactionID>IMApp01#12345@NOK5110</TransactionID>
        <Poll>F</Poll>
      </TransactionDescriptor>
      <TransactionContent xmlns="http://www.wireless-village.org/TRC1.0">
        <Status>
          <Result>
            <Code>200</Code>
            <Description>Successfully completed.</Description>
          </Result>
        </Status>
      </TransactionContent>
    </Transaction>
  </Session>
</WV-CSP-Message>
```

6.22 Get list of undelivered messages transaction

6.22.1 GetMessageList-Request primitive

```
<WV-CSP-Message xmlns="http://www.wireless-village.org/CSP1.0">
  <Session>
    <SessionDescriptor>
      <SessionType>Inband</SessionType>
      <SessionID>im.user.com#48815@server.com</SessionID>
    </SessionDescriptor>
    <Transaction>
      <TransactionDescriptor>
        <TransactionMode>Request</TransactionMode>
        <TransactionID>IMApp01#12345@NOK5110</TransactionID>
      </TransactionDescriptor>
      <TransactionContent xmlns="http://www.wireless-village.org/TRC1.0">
        <GetMessageList-Request>
          <GroupID>wv:john%2Fchatgroup@there.com</GroupID>
          <MessageCount>5</MessageCount>
        </GetMessageList-Request>
      </TransactionContent>
    </Transaction>
  </Session>
</WV-CSP-Message>
```

6.22.2 GetMessageList-Response primitive

```
<WV-CSP-Message xmlns="http://www.wireless-village.org/CSP1.0">
  <Session>
    <SessionDescriptor>
      <SessionType>Inband</SessionType>
      <SessionID>im.user.com#48815@server.com</SessionID>
    </SessionDescriptor>
    <Transaction>
```

```

<TransactionDescriptor>
  <TransactionMode>Response</TransactionMode>
  <TransactionID>IMApp01#12345@NOK5110</TransactionID>
  <Poll>F</Poll>
</TransactionDescriptor>
<TransactionContent xmlns="http://www.wireless-village.org/TRC1.0">
  <GetMessageList-Response>
    <MessageInfo>
      <MessageID>0x0000f132</MessageID>
      <ContentType>text/plain</ContentType>
      <ContentEncoding>None</ContentEncoding>
      <ContentSize>41</ContentSize>
      <Sender>
        <Group>
          <ScreenName>
            <Name>Wicked Vicky</Name>
            <GroupID>wv:john%2Fchatgroup@there.com</GroupID>
          </ScreenName>
        </Group>
      </Sender>
      <DateTime>20010925T1340Z</DateTime>
      <Validity>600</Validity>
    </MessageInfo>
    <MessageInfo>
      <MessageID>0x0000f133</MessageID>
      <ContentType>text/plain</ContentType>
      <ContentEncoding>None</ContentEncoding>
      <ContentSize>20</ContentSize>
      <Sender>
        <Group>
          <ScreenName>
            <Name>Wicked Vicky</Name>
            <GroupID>wv:john%2Fchatgroup@there.com</GroupID>
          </ScreenName>
        </Group>
      </Sender>
      <DateTime>20010925T1342Z</DateTime>
      <Validity>600</Validity>
    </MessageInfo>
  </GetMessageList-Response>
</TransactionContent>
</Transaction>
</Session>
</WV-CSP-Message>

```

6.23 Rejecting a message (notify/get method only) transaction

6.23.1 RejectMessage-Request primitive

```

<WV-CSP-Message xmlns="http://www.wireless-village.org/CSP1.0">
  <Session>
    <SessionDescriptor>
      <SessionType>Inband</SessionType>
      <SessionID>im.user.com#48815@server.com</SessionID>
    </SessionDescriptor>
    <Transaction>
      <TransactionDescriptor>
        <TransactionMode>Request</TransactionMode>
        <TransactionID>IMApp01#12345@NOK5110</TransactionID>
      </TransactionDescriptor>
      <TransactionContent xmlns="http://www.wireless-village.org/TRC1.0">

```



```

    <RejectMessage-Request>
      <MessageID>0x0000f132</MessageID>
    </RejectMessage-Request>
  </TransactionContent>
</Transaction>
</Session>
</WV-CSP-Message>

```

6.23.2 Status primitive

```

<WV-CSP-Message xmlns="http://www.wireless-village.org/CSP1.0">
  <Session>
    <SessionDescriptor>
      <SessionType>Inband</SessionType>
      <SessionID>im.user.com#48815@server.com</SessionID>
    </SessionDescriptor>
    <Transaction>
      <TransactionDescriptor>
        <TransactionMode>Response</TransactionMode>
        <TransactionID>IMApp01#12345@NOK5110</TransactionID>
      </TransactionDescriptor>
      <TransactionContent xmlns="http://www.wireless-village.org/TRC1.0">
        <Status>
          <Result>
            <Code>200</Code>
            <Description>Successfully completed.</Description>
          </Result>
        </Status>
      </TransactionContent>
    </Transaction>
  </Session>
</WV-CSP-Message>

```

6.24 Message notification (notify/get method only) transaction

6.24.1 MessageNotification primitive

```

<WV-CSP-Message xmlns="http://www.wireless-village.org/CSP1.0">
  <Session>
    <SessionDescriptor>
      <SessionType>Inband</SessionType>
      <SessionID>im.user.com#48815@server.com</SessionID>
    </SessionDescriptor>
    <Transaction>
      <TransactionDescriptor>
        <TransactionMode>Request</TransactionMode>
        <TransactionID>IMApp01#12345@NOK5110</TransactionID>
        <Poll>F</Poll>
      </TransactionDescriptor>
      <TransactionContent xmlns="http://www.wireless-village.org/TRC1.0">
        <MessageNotification>
          <MessageInfo>
            <MessageID>0x0000f132</MessageID>
            <ContentType>text/plain</ContentType>
            <ContentEncoding>None</ContentEncoding>
            <ContentSize>189</ContentSize>
            <Sender>
              <Group>
                <ScreenName>
                  <Name>Wicked Vicky</Name>
                  <GroupID>wv:john%2Fchatgroup@there.com</GroupID>
                </Group>
              </Sender>
            </MessageInfo>
          </MessageNotification>
        </TransactionContent>
      </Transaction>
    </Session>
  </WV-CSP-Message>

```

```

        </ScreenName>
      </Group>
    </Sender>
    <DateTime>20010925T1340Z</DateTime>
    <Validity>600</Validity>
  </MessageInfo>
</MessageNotification>
</TransactionContent>
</Transaction>
</Session>
</WV-CSP-Message>

```

6.24.2 Status primitive

```

<WV-CSP-Message xmlns="http://www.wireless-village.org/CSP1.0">
  <Session>
    <SessionDescriptor>
      <SessionType>Inband</SessionType>
      <SessionID>im.user.com#48815@server.com</SessionID>
    </SessionDescriptor>
    <Transaction>
      <TransactionDescriptor>
        <TransactionMode>Response</TransactionMode>
        <TransactionID>IMApp01#12345@NOK5110</TransactionID>
      </TransactionDescriptor>
      <TransactionContent xmlns="http://www.wireless-village.org/TRC1.0">
        <Status>
          <Result>
            <Code>200</Code>
            <Description>Successfully completed.</Description>
          </Result>
        </Status>
      </TransactionContent>
    </Transaction>
  </Session>
</WV-CSP-Message>

```

6.25 Retrieving a message (get/notify method) transaction

6.25.1 GetMessage-Request primitive

```

<WV-CSP-Message xmlns="http://www.wireless-village.org/CSP1.0">
  <Session>
    <SessionDescriptor>
      <SessionType>Inband</SessionType>
      <SessionID>im.user.com#48815@server.com</SessionID>
    </SessionDescriptor>
    <Transaction>
      <TransactionDescriptor>
        <TransactionMode>Request</TransactionMode>
        <TransactionID>IMApp01#12345@NOK5110</TransactionID>
      </TransactionDescriptor>
      <TransactionContent xmlns="http://www.wireless-village.org/TRC1.0">
        <GetMessage-Request>
          <MessageID>0x0000f132</MessageID>
        </GetMessage-Request>
      </TransactionContent>
    </Transaction>
  </Session>
</WV-CSP-Message>

```

6.25.2 GetMessage-Response primitive

```
<WV-CSP-Message xmlns="http://www.wireless-village.org/CSP1.0">
  <Session>
    <SessionDescriptor>
      <SessionType>Inband</SessionType>
      <SessionID>im.user.com#48815@server.com</SessionID>
    </SessionDescriptor>
    <Transaction>
      <TransactionDescriptor>
        <TransactionMode>Response</TransactionMode>
        <TransactionID>IMApp01#12345@NOK5110</TransactionID>
        <Poll>F</Poll>
      </TransactionDescriptor>
      <TransactionContent xmlns="http://www.wireless-village.org/TRC1.0">
        <GetMessage-Response>
          <MessageInfo>
            <MessageID>0x0000f132</MessageID>
            <ContentType>text/plain</ContentType>
            <ContentEncoding>None</ContentEncoding>
            <ContentSize>41</ContentSize>
            <Sender>
              <Group>
                <ScreenName>
                  <Name>Wicked Vicky</Name>
                  <GroupID>wv:john%2Fchatgroup@there.com</GroupID>
                </ScreenName>
              </Group>
            </Sender>
            <DateTime>20010925T1340Z</DateTime>
            <Validity>600</Validity>
          </MessageInfo>
          <ContentData>Hi guys, just arrived... How is it
going?</ContentData>
        </GetMessage-Response>
      </TransactionContent>
    </Transaction>
  </Session>
</WV-CSP-Message>
```

6.25.3 MessageDelivered primitive

```
<WV-CSP-Message xmlns="http://www.wireless-village.org/CSP1.0">
  <Session>
    <SessionDescriptor>
      <SessionType>Inband</SessionType>
      <SessionID>im.user.com#48815@server.com</SessionID>
    </SessionDescriptor>
    <Transaction>
      <TransactionDescriptor>
        <TransactionMode>Response</TransactionMode>
        <TransactionID>IMApp01#12346@NOK5110</TransactionID>
      </TransactionDescriptor>
      <TransactionContent xmlns="http://www.wireless-village.org/TRC1.0">
        <MessageDelivered>
          <MessageID>0x0000f132</MessageID>
        </MessageDelivered>
      </TransactionContent>
    </Transaction>
  </Session>
</WV-CSP-Message>
```

6.25.4 Status primitive

```
<WV-CSP-Message xmlns="http://www.wireless-village.org/CSP1.0">
  <Session>
    <SessionDescriptor>
      <SessionType>Inband</SessionType>
      <SessionID>im.user.com#48815@server.com</SessionID>
    </SessionDescriptor>
    <Transaction>
      <TransactionDescriptor>
        <TransactionMode>Response</TransactionMode>
        <TransactionID>IMApp01#12346@NOK5110</TransactionID>
        <Poll>F</Poll>
      </TransactionDescriptor>
      <TransactionContent xmlns="http://www.wireless-village.org/TRC1.0">
        <Status>
          <Result>
            <Code>200</Code>
            <Description>Successfully completed.</Description>
          </Result>
        </Status>
      </TransactionContent>
    </Transaction>
  </Session>
</WV-CSP-Message>
```

6.26 Delivering a message (push method) transaction

6.26.1 NewMessage primitive

```
<WV-CSP-Message xmlns="http://www.wireless-village.org/CSP1.0">
  <Session>
    <SessionDescriptor>
      <SessionType>Inband</SessionType>
      <SessionID>im.user.com#48815@server.com</SessionID>
    </SessionDescriptor>
    <Transaction>
      <TransactionDescriptor>
        <TransactionMode>Request</TransactionMode>
        <TransactionID>IMApp01#12345@NOK5110</TransactionID>
        <Poll>F</Poll>
      </TransactionDescriptor>
      <TransactionContent xmlns="http://www.wireless-village.org/TRC1.0">
        <NewMessage>
          <MessageInfo>
            <MessageID>0x0000f132</MessageID>
            <ContentType>text/plain</ContentType>
            <ContentEncoding>None</ContentEncoding>
            <ContentSize>41</ContentSize>
            <Sender>
              <Group>
                <ScreenName>
                  <Name>Wicked Vicky</Name>
                  <GroupID>wv:john%2Fchatgroup@there.com</GroupID>
                </ScreenName>
              </Group>
            </Sender>
            <DateTime>20010925T1340Z</DateTime>
            <Validity>600</Validity>
          </MessageInfo>
        </NewMessage>
      </TransactionContent>
    </Transaction>
  </Session>
</WV-CSP-Message>
```

```

        <ContentData>Hi guys, just arrived... How is it
going?</ContentData>
    </NewMessage>
</TransactionContent>
</Transaction>
</Session>
</WV-CSP-Message>

```

6.26.2 MessageDelivered primitive

```

<WV-CSP-Message xmlns="http://www.wireless-village.org/CSP1.0">
  <Session>
    <SessionDescriptor>
      <SessionType>Inband</SessionType>
      <SessionID>im.user.com#48815@server.com</SessionID>
    </SessionDescriptor>
    <Transaction>
      <TransactionDescriptor>
        <TransactionMode>Response</TransactionMode>
        <TransactionID>IMApp01#12345@NOK5110</TransactionID>
      </TransactionDescriptor>
      <TransactionContent xmlns="http://www.wireless-village.org/TRC1.0">
        <MessageDelivered>
          <MessageID>0x0000f132</MessageID>
        </MessageDelivered>
      </TransactionContent>
    </Transaction>
  </Session>
</WV-CSP-Message>

```

6.27 Delivery Report transaction

6.27.1 DeliveryReport-Request primitive

```

<WV-CSP-Message xmlns="http://www.wireless-village.org/CSP1.0">
  <Session>
    <SessionDescriptor>
      <SessionType>Inband</SessionType>
      <SessionID>im.user.com#48815@server.com</SessionID>
    </SessionDescriptor>
    <Transaction>
      <TransactionDescriptor>
        <TransactionMode>Request</TransactionMode>
        <TransactionID>IMApp01#12345@NOK5110</TransactionID>
        <Poll>F</Poll>
      </TransactionDescriptor>
      <TransactionContent xmlns="http://www.wireless-village.org/TRC1.0">
        <DeliveryReport-Request>
          <Result>
            <Code>200</Code>
            <Description>Successfully completed.</Description>
          </Result>
          <MessageInfo>
            <MessageID>0x0000f132</MessageID>
            <ContentType>text/plain</ContentType>
            <ContentEncoding>None</ContentEncoding>
            <ContentSize>41</ContentSize>
            <Sender>
              <Group>
                <ScreenName>
                  <Name>B. Billy</Name>

```

```

        <GroupID>wv:%2Fhappy@hippie.com</GroupID>
      </ScreenName>
    </Group>
  </Sender>
  <DateTime>20010925T1340Z</DateTime>
  <Validity>600</Validity>
</MessageInfo>
</DeliveryReport-Request>
</TransactionContent>
</Transaction>
</Session>
</WV-CSP-Message>

```

6.27.2 Status primitive

```

<WV-CSP-Message xmlns="http://www.wireless-village.org/CSP1.0">
  <Session>
    <SessionDescriptor>
      <SessionType>Inband</SessionType>
      <SessionID>im.user.com#48815@server.com</SessionID>
    </SessionDescriptor>
    <Transaction>
      <TransactionDescriptor>
        <TransactionMode>Response</TransactionMode>
        <TransactionID>IMApp01#12345@NOK5110</TransactionID>
      </TransactionDescriptor>
      <TransactionContent xmlns="http://www.wireless-village.org/TRC1.0">
        <Status>
          <Result>
            <Code>200</Code>
            <Description>Successfully completed.</Description>
          </Result>
        </Status>
      </TransactionContent>
    </Transaction>
  </Session>
</WV-CSP-Message>

```

6.28 Forward undelivered message transaction

6.28.1 ForwardMessage-Request primitive

```

<WV-CSP-Message xmlns="http://www.wireless-village.org/CSP1.0">
  <Session>
    <SessionDescriptor>
      <SessionType>Inband</SessionType>
      <SessionID>im.user.com#48815@server.com</SessionID>
    </SessionDescriptor>
    <Transaction>
      <TransactionDescriptor>
        <TransactionMode>Request</TransactionMode>
        <TransactionID>IMApp01#12345@NOK5110</TransactionID>
      </TransactionDescriptor>
      <TransactionContent xmlns="http://www.wireless-village.org/TRC1.0">
        <ForwardMessage-Request>
          <MessageID>0x0000f132</MessageID>
          <Recipient>
            <Group>
              <ScreenName>
                <Name>B. Billy</Name>
              <GroupID>wv:%2Fhappy@hippie.com</GroupID>
            </Group>
          </Recipient>
        </ForwardMessage-Request>
      </TransactionContent>
    </Transaction>
  </Session>
</WV-CSP-Message>

```

```

        </ScreenName>
      </Group>
    </Recipient>
  </ForwardMessage-Request>
</TransactionContent>
</Transaction>
</Session>
</WV-CSP-Message>

```

6.28.2 Status primitive

```

<WV-CSP-Message xmlns="http://www.wireless-village.org/CSP1.0">
  <Session>
    <SessionDescriptor>
      <SessionType>Inband</SessionType>
      <SessionID>im.user.com#48815@server.com</SessionID>
    </SessionDescriptor>
    <Transaction>
      <TransactionDescriptor>
        <TransactionMode>Response</TransactionMode>
        <TransactionID>IMApp01#12345@NOK5110</TransactionID>
        <Poll>F</Poll>
      </TransactionDescriptor>
      <TransactionContent xmlns="http://www.wireless-village.org/TRC1.0">
        <Status>
          <Result>
            <Code>200</Code>
            <Description>Successfully completed.</Description>
          </Result>
        </Status>
      </TransactionContent>
    </Transaction>
  </Session>
</WV-CSP-Message>

```

6.29 Get blocked user list transaction

6.29.1 GetBlockedList-Request primitive

```

<WV-CSP-Message xmlns="http://www.wireless-village.org/CSP1.0">
  <Session>
    <SessionDescriptor>
      <SessionType>Inband</SessionType>
      <SessionID>im.user.com#48815@server.com</SessionID>
    </SessionDescriptor>
    <Transaction>
      <TransactionDescriptor>
        <TransactionMode>Request</TransactionMode>
        <TransactionID>IMApp01#12345@NOK5110</TransactionID>
      </TransactionDescriptor>
      <TransactionContent xmlns="http://www.wireless-village.org/TRC1.0">
        <GetBlockedList-Request/>
      </TransactionContent>
    </Transaction>
  </Session>
</WV-CSP-Message>

```

6.29.2 GetBlockedList-Response primitive

```

<WV-CSP-Message xmlns="http://www.wireless-village.org/CSP1.0">
  <Session>

```

```

<SessionDescriptor>
  <SessionType>Inband</SessionType>
  <SessionID>im.user.com#48815@server.com</SessionID>
</SessionDescriptor>
<Transaction>
  <TransactionDescriptor>
    <TransactionMode>Response</TransactionMode>
    <TransactionID>IMApp01#12345@NOK5110</TransactionID>
    <Poll>F</Poll>
  </TransactionDescriptor>
  <TransactionContent xmlns="http://www.wireless-village.org/TRC1.0">
    <GetBlockedList-Response>
      <BlockList>
        <InUse>F</InUse>
        <EntityList>
          <UserID>wv:he@there.com</UserID>
          <UserID>wv:she@there.com</UserID>
          <ScreenName>
            <Name>Billyboy</Name>
            <GroupID>wv:john%2Fchatgroup@there.com</GroupID>
          </ScreenName>
          <GroupID>wv:%2Fboringlist@server.com</GroupID>
        </EntityList>
      </BlockList>
      <GrantList>
        <InUse>T</InUse>
        <EntityList>
          <UserID>wv:matthias@salamander.com</UserID>
          <UserID>wv:francisco@don.com</UserID>
          <ScreenName>
            <Name>WV</Name>
            <GroupID>wv:john%2Fchatgroup@there.com</GroupID>
          </ScreenName>
          <GroupID>wv:%2Fwireless@village.com</GroupID>
        </EntityList>
      </GrantList>
    </GetBlockedList-Response>
  </TransactionContent>
</Transaction>
</Session>
</WV-CSP-Message>

```

6.30 Block user transaction

6.30.1 BlockUser-Request primitive

```

<WV-CSP-Message xmlns="http://www.wireless-village.org/CSP1.0">
  <Session>
    <SessionDescriptor>
      <SessionType>Inband</SessionType>
      <SessionID>im.user.com#48815@server.com</SessionID>
    </SessionDescriptor>
    <Transaction>
      <TransactionDescriptor>
        <TransactionMode>Request</TransactionMode>
        <TransactionID>IMApp01#12345@NOK5110</TransactionID>
      </TransactionDescriptor>
      <TransactionContent xmlns="http://www.wireless-village.org/TRC1.0">
        <BlockUser-Request>
          <BlockList>
            <InUse>T</InUse>
          </BlockList>
        </BlockUser-Request>
      </TransactionContent>
    </Transaction>
  </Session>
</WV-CSP-Message>

```



```

        <AddList/>
        <RemoveList>
            <UserID>wv:matthias@salamander.com</UserID>
        </RemoveList>
    </BlockList>
    <GrantList>
        <InUse/>
        <AddList>
            <UserID>wv:matthias@salamander.com</UserID>
        </AddList>
        <RemoveList/>
    </GrantList>
    </BlockUser-Request>
</TransactionContent>
</Transaction>
</Session>
</WV-CSP-Message>

```

6.30.2 Status primitive

```

<WV-CSP-Message xmlns="http://www.wireless-village.org/CSP1.0">
  <Session>
    <SessionDescriptor>
      <SessionType>Outband</SessionType>
    </SessionDescriptor>
    <Transaction>
      <TransactionDescriptor>
        <TransactionMode>Response</TransactionMode>
        <TransactionID>IMApp01#12345@NOK5110</TransactionID>
        <Poll>F</Poll>
      </TransactionDescriptor>
      <TransactionContent xmlns="http://www.wireless-village.org/TRC1.0">
        <Status>
          <Result>
            <Code>200</Code>
            <Description>Successfully completed.</Description>
          </Result>
        </Status>
      </TransactionContent>
    </Transaction>
  </Session>
</WV-CSP-Message>

```

6.31 Get list of contact list(s) transaction

6.31.1 GetList-Request primitive

```

<WV-CSP-Message xmlns="http://www.wireless-village.org/CSP1.0">
  <Session>
    <SessionDescriptor>
      <SessionType>Inband</SessionType>
      <SessionID>im.user.com#48815@server.com</SessionID>
    </SessionDescriptor>
    <Transaction>
      <TransactionDescriptor>
        <TransactionMode>Request</TransactionMode>
        <TransactionID>IMApp01#12345@NOK5110</TransactionID>
      </TransactionDescriptor>
      <TransactionContent xmlns="http://www.wireless-village.org/TRC1.0">
        <GetList-Request/>
      </TransactionContent>
    </Transaction>
  </Session>
</WV-CSP-Message>

```

```

    </Transaction>
  </Session>
</WV-CSP-Message>

```

6.31.2 GetList-Response primitive

```

<WV-CSP-Message xmlns="http://www.wireless-village.org/CSP1.0">
  <Session>
    <SessionDescriptor>
      <SessionType>Inband</SessionType>
      <SessionID>im.user.com#48815@server.com</SessionID>
    </SessionDescriptor>
    <Transaction>
      <TransactionDescriptor>
        <TransactionMode>Response</TransactionMode>
        <TransactionID>IMApp01#12345@NOK5110</TransactionID>
        <Poll>F</Poll>
      </TransactionDescriptor>
      <TransactionContent xmlns="http://www.wireless-village.org/TRC1.0">
        <GetList-Response>
          <ContactList>wv:john%2FMy_friends@smith.com</ContactList>
          <ContactList>wv:john%2FMy_family@smith.com</ContactList>
          <ContactList>wv:john%2FMy_colleagues@smith.com</ContactList>
          <ContactList>wv:john%2FThe_WV@smith.com</ContactList>
          <DefaultContactList>wv:john%2FMy_enemies@smith.com</ContactList>
        </GetList-Response>
      </TransactionContent>
    </Transaction>
  </Session>
</WV-CSP-Message>

```

6.32 Create contact list transaction

6.32.1 CreateList-Request primitive

```

<WV-CSP-Message xmlns="http://www.wireless-village.org/CSP1.0">
  <Session>
    <SessionDescriptor>
      <SessionType>Inband</SessionType>
      <SessionID>im.user.com#48815@server.com</SessionID>
    </SessionDescriptor>
    <Transaction>
      <TransactionDescriptor>
        <TransactionMode>Request</TransactionMode>
        <TransactionID>IMApp01#12345@NOK5110</TransactionID>
      </TransactionDescriptor>
      <TransactionContent xmlns="http://www.wireless-village.org/TRC1.0">
        <CreateList-Request>
          <ContactList>wv:john%2FMy_friends@smith.com</ContactList>
          <NickList>
            <NickName>
              <Name>Brainstorm</Name>
              <UserID>wv:bright@dark.com</UserID>
            </NickName>
            <NickName>
              <Name>Randall the Vandal</Name>
              <UserID>wv:randall@fairlane.com</UserID>
            </NickName>
          </NickList>
          <ContactListProperties>
            <Property>

```

```

        <Name>DisplayName</Name>
        <Value>My friends</Value>
    </Property>
    <Property>
        <Name>Default</Name>
        <Value>F</Value>
    </Property>
</ContactListProperties>
</CreateList-Request>
</TransactionContent>
</Transaction>
</Session>
</WV-CSP-Message>

```

6.32.2 Status primitive

```

<WV-CSP-Message xmlns="http://www.wireless-village.org/CSP1.0">
  <Session>
    <SessionDescriptor>
      <SessionType>Inband</SessionType>
      <SessionID>im.user.com#48815@server.com</SessionID>
    </SessionDescriptor>
    <Transaction>
      <TransactionDescriptor>
        <TransactionMode>Response</TransactionMode>
        <TransactionID>IMApp01#12345@NOK5110</TransactionID>
        <Poll>F</Poll>
      </TransactionDescriptor>
      <TransactionContent xmlns="http://www.wireless-village.org/TRC1.0">
        <Status>
          <Result>
            <Code>200</Code>
            <Description>Successfully completed.</Description>
          </Result>
        </Status>
      </TransactionContent>
    </Transaction>
  </Session>
</WV-CSP-Message>

```

6.33 Delete contact list transaction

6.33.1 DeleteList-Request primitive

```

<WV-CSP-Message xmlns="http://www.wireless-village.org/CSP1.0">
  <Session>
    <SessionDescriptor>
      <SessionType>Inband</SessionType>
      <SessionID>im.user.com#48815@server.com</SessionID>
    </SessionDescriptor>
    <Transaction>
      <TransactionDescriptor>
        <TransactionMode>Request</TransactionMode>
        <TransactionID>IMApp01#12345@NOK5110</TransactionID>
      </TransactionDescriptor>
      <TransactionContent xmlns="http://www.wireless-village.org/TRC1.0">
        <DeleteList-Request>
          <ContactList>wv:john%2FMy_enemies@smith.com</ContactList>
        </DeleteList-Request>
      </TransactionContent>
    </Transaction>
  </Session>
</WV-CSP-Message>

```

```

</Session>
</WV-CSP-Message>

```

6.33.2 Status primitive

```

<WV-CSP-Message xmlns="http://www.wireless-village.org/CSP1.0">
  <Session>
    <SessionDescriptor>
      <SessionType>Inband</SessionType>
      <SessionID>im.user.com#48815@server.com</SessionID>
    </SessionDescriptor>
    <Transaction>
      <TransactionDescriptor>
        <TransactionMode>Response</TransactionMode>
        <TransactionID>IMApp01#12345@NOK5110</TransactionID>
        <Poll>F</Poll>
      </TransactionDescriptor>
      <TransactionContent xmlns="http://www.wireless-village.org/TRC1.0">
        <Status>
          <Result>
            <Code>200</Code>
            <Description>Successfully completed.</Description>
          </Result>
        </Status>
      </TransactionContent>
    </Transaction>
  </Session>
</WV-CSP-Message>

```

6.34 Retrieve contact list transaction

6.34.1 ListManage-Request primitive

```

<WV-CSP-Message xmlns="http://www.wireless-village.org/CSP1.0">
  <Session>
    <SessionDescriptor>
      <SessionType>Inband</SessionType>
      <SessionID>im.user.com#48815@server.com</SessionID>
    </SessionDescriptor>
    <Transaction>
      <TransactionDescriptor>
        <TransactionMode>Request</TransactionMode>
        <TransactionID>IMApp01#12345@NOK5110</TransactionID>
      </TransactionDescriptor>
      <TransactionContent xmlns="http://www.wireless-village.org/TRC1.0">
        <ListManage-Request>
          <ContactList>wv:john%2FMy_friends@smith.com</ContactList>
        </ListManage-Request>
      </TransactionContent>
    </Transaction>
  </Session>
</WV-CSP-Message>

```

6.34.2 ListManage-Response primitive

```

<WV-CSP-Message xmlns="http://www.wireless-village.org/CSP1.0">
  <Session>
    <SessionDescriptor>
      <SessionType>Inband</SessionType>
      <SessionID>im.user.com#48815@server.com</SessionID>
    </SessionDescriptor>

```

```

<Transaction>
  <TransactionDescriptor>
    <TransactionMode>Response</TransactionMode>
    <TransactionID>IMApp01#12345@NOK5110</TransactionID>
    <Poll>F</Poll>
  </TransactionDescriptor>
  <TransactionContent xmlns="http://www.wireless-village.org/TRC1.0">
    <ListManage-Response>
      <Result>
        <Code>200</Code>
      </Result>
      <ContactListProperties>
        <Property>
          <Name>DisplayName</Name>
          <Value>My friends</Value>
        </Property>
        <Property>
          <Name>Default</Name>
          <Value>F</Value>
        </Property>
      </ContactListProperties>
      <NickList>
        <NickName>
          <Name>Brainstrom</Name>
          <UserID>wv:bright@dark.com</UserID>
        </NickName>
        <NickName>
          <Name>Randall the Vandal</Name>
          <UserID>wv:randall@fairlane.com</UserID>
        </NickName>
        <NickName>
          <Name>JLo</Name>
          <UserID>wv:jenny@logic.com</UserID>
        </NickName>
        <NickName>
          <Name>Ex</Name>
          <UserID>wv:ex@wife.com</UserID>
        </NickName>
      </NickList>
    </ListManage-Response>
  </TransactionContent>
</Transaction>
</Session>
</WV-CSP-Message>

```

6.35 Add users to contact list transaction

6.35.1 ListManage-Request primitive

```

<WV-CSP-Message xmlns="http://www.wireless-village.org/CSP1.0">
  <Session>
    <SessionDescriptor>
      <SessionType>Inband</SessionType>
      <SessionID>im.user.com#48815@server.com</SessionID>
    </SessionDescriptor>
    <Transaction>
      <TransactionDescriptor>
        <TransactionMode>Request</TransactionMode>
        <TransactionID>IMApp01#12345@NOK5110</TransactionID>
      </TransactionDescriptor>
      <TransactionContent xmlns="http://www.wireless-village.org/TRC1.0">

```

```

    <ListManage-Request>
      <ContactList>wv:john%2FMy_friends@smith.com</ContactList>
      <AddNickList>
        <NickName>
          <Name>Randall the Vandal</Name>
          <UserID>wv:randall@fairlane.com</UserID>
        </NickName>
        <NickName>
          <Name>JLo</Name>
          <UserID>wv:jenny@logic.com</UserID>
        </NickName>
      </AddNickList>
    </ListManage-Request>
  </TransactionContent>
</Transaction>
</Session>
</WV-CSP-Message>

```

6.35.2 ListManage-Response primitive

```

<WV-CSP-Message xmlns="http://www.wireless-village.org/CSP1.0">
  <Session>
    <SessionDescriptor>
      <SessionType>Inband</SessionType>
      <SessionID>im.user.com#48815@server.com</SessionID>
    </SessionDescriptor>
    <Transaction>
      <TransactionDescriptor>
        <TransactionMode>Response</TransactionMode>
        <TransactionID>IMApp01#12345@NOK51110</TransactionID>
        <Poll>F</Poll>
      </TransactionDescriptor>
      <TransactionContent xmlns="http://www.wireless-village.org/TRC1.0">
        <ListManage-Response>
          <Result>
            <Code>200</Code>
          </Result>
          <NickList>
            <NickName>
              <Name>Randall the Vandal</Name>
              <UserID>wv:randall@fairlane.com</UserID>
            </NickName>
            <NickName>
              <Name>JLo</Name>
              <UserID>wv:jenny@logic.com</UserID>
            </NickName>
          </NickList>
        </ListManage-Response>
      </TransactionContent>
    </Transaction>
  </Session>
</WV-CSP-Message>

```

6.36 Remove users from contact list transaction

6.36.1 ListManage-Request primitive

```

<WV-CSP-Message xmlns="http://www.wireless-village.org/CSP1.0">
  <Session>
    <SessionDescriptor>
      <SessionType>Inband</SessionType>

```

```

    <SessionID>im.user.com#48815@server.com</SessionID>
  </SessionDescriptor>
</Transaction>
  <TransactionDescriptor>
    <TransactionMode>Request</TransactionMode>
    <TransactionID>IMApp01#12345@NOK5110</TransactionID>
  </TransactionDescriptor>
  <TransactionContent xmlns="http://www.wireless-village.org/TRC1.0">
    <ListManage-Request>
      <ContactList>wv:john%2FMy_friends@smith.com</ContactList>
      <RemoveNickList>
        <NickName>
          <Name>Randall the Vandal</Name>
          <UserID>wv:randall@fairlane.com</UserID>
        </NickName>
        <NickName>
          <Name>JLo</Name>
          <UserID>wv:jenny@logic.com</UserID>
        </NickName>
      </RemoveNickList>
    </ListManage-Request>
  </TransactionContent>
</Transaction>
</Session>
</WV-CSP-Message>

```

6.36.2 ListManage-Response primitive

```

<WV-CSP-Message xmlns="http://www.wireless-village.org/CSP1.0">
  <Session>
    <SessionDescriptor>
      <SessionType>Inband</SessionType>
      <SessionID>im.user.com#48815@server.com</SessionID>
    </SessionDescriptor>
    <Transaction>
      <TransactionDescriptor>
        <TransactionMode>Response</TransactionMode>
        <TransactionID>IMApp01#12345@NOK5110</TransactionID>
        <Poll>F</Poll>
      </TransactionDescriptor>
      <TransactionContent xmlns="http://www.wireless-village.org/TRC1.0">
        <ListManage-Response>
          <Result>
            <Code>200</Code>
          </Result>
          <NickList/>
        </ListManage-Response>
      </TransactionContent>
    </Transaction>
  </Session>
</WV-CSP-Message>

```

6.37 Modify properties of contact list transaction

6.37.1 ListManage-Request primitive

```

<WV-CSP-Message xmlns="http://www.wireless-village.org/CSP1.0">
  <Session>
    <SessionDescriptor>
      <SessionType>Inband</SessionType>
      <SessionID>im.user.com#48815@server.com</SessionID>

```

```

</SessionDescriptor>
<Transaction>
  <TransactionDescriptor>
    <TransactionMode>Request</TransactionMode>
    <TransactionID>IMApp01#12345@NOK5110</TransactionID>
  </TransactionDescriptor>
  <TransactionContent xmlns="http://www.wireless-village.org/TRC1.0">
    <ListManage-Request>
      <ContactList>wv:john%2FMy_friends@smith.com</ContactList>
      <ContactListProperties>
        <Property>
          <Name>DisplayName</Name>
          <Value>My enemies</Value>
        </Property>
        <Property>
          <Name>Default</Name>
          <Value>T</Value>
        </Property>
      </ContactListProperties>
    </ListManage-Request>
  </TransactionContent>
</Transaction>
</Session>
</WV-CSP-Message>

```

6.37.2 ListManage-Response primitive

```

<WV-CSP-Message xmlns="http://www.wireless-village.org/CSP1.0">
  <Session>
    <SessionDescriptor>
      <SessionType>Inband</SessionType>
      <SessionID>im.user.com#48815@server.com</SessionID>
    </SessionDescriptor>
    <Transaction>
      <TransactionDescriptor>
        <TransactionMode>Response</TransactionMode>
        <TransactionID>IMApp01#12345@NOK5110</TransactionID>
        <Poll>F</Poll>
      </TransactionDescriptor>
      <TransactionContent xmlns="http://www.wireless-village.org/TRC1.0">
        <ListManage-Response>
          <Result>
            <Code>200</Code>
          </Result>
          <ContactListProperties>
            <Property>
              <Name>DisplayName</Name>
              <Value>My enemies</Value>
            </Property>
            <Property>
              <Name>Default</Name>
              <Value>T</Value>
            </Property>
          </ContactListProperties>
        </ListManage-Response>
      </TransactionContent>
    </Transaction>
  </Session>
</WV-CSP-Message>

```


6.38 Create Attribute list transaction

6.38.1 CreateAttributeList-Request primitive

```
<WV-CSP-Message xmlns="http://www.wireless-village.org/CSP1.0">
  <Session>
    <SessionDescriptor>
      <SessionType>Inband</SessionType>
      <SessionID>im.user.com#48815@server.com</SessionID>
    </SessionDescriptor>
    <Transaction>
      <TransactionDescriptor>
        <TransactionMode>Request</TransactionMode>
        <TransactionID>IMApp01#12345@NOK5110</TransactionID>
      </TransactionDescriptor>
      <TransactionContent xmlns="http://www.wireless-village.org/TRC1.0">
        <CreateAttributeList-Request>
          <PresenceSubList xmlns="http://www.wireless-village.org/PAL1.0">
            <UserAvailability/>
            <StatusMood/>
          </PresenceSubList>
          <UserID>somebody@nowhere.com</UserID>
          <UserID>another_one@nowhere.com</UserID>
          <ContactList>wv: john%2FMy_friends@smith.com</ContactList>
          <ContactList>wv: john%2FMy_family@smith.com</ContactList>
          <DefaultList>T</DefaultList>
        </CreateAttributeList-Request>
      </TransactionContent>
    </Transaction>
  </Session>
</WV-CSP-Message>
```

6.38.2 Status primitive

```
<WV-CSP-Message xmlns="http://www.wireless-village.org/CSP1.0">
  <Session>
    <SessionDescriptor>
      <SessionType>Inband</SessionType>
      <SessionID>im.user.com#48815@server.com</SessionID>
    </SessionDescriptor>
    <Transaction>
      <TransactionDescriptor>
        <TransactionMode>Response</TransactionMode>
        <TransactionID>IMApp01#12345@NOK5110</TransactionID>
        <Poll>F</Poll>
      </TransactionDescriptor>
      <TransactionContent xmlns="http://www.wireless-village.org/TRC1.0">
        <Status>
          <Result>
            <Code>200</Code>
            <Description>Successfully completed.</Description>
          </Result>
        </Status>
      </TransactionContent>
    </Transaction>
  </Session>
</WV-CSP-Message>
```

6.39 Delete Attribute list transaction

6.39.1 DeleteAttributeList-Request primitive

```
<WV-CSP-Message xmlns="http://www.wireless-village.org/CSP1.0">
  <Session>
    <SessionDescriptor>
      <SessionType>Inband</SessionType>
      <SessionID>im.user.com#48815@server.com</SessionID>
    </SessionDescriptor>
    <Transaction>
      <TransactionDescriptor>
        <TransactionMode>Request</TransactionMode>
        <TransactionID>IMApp01#12345@NOK5110</TransactionID>
      </TransactionDescriptor>
      <TransactionContent xmlns="http://www.wireless-village.org/TRC1.0">
        <DeleteAttributeList-Request>
          <UserID>somebody@nowhere.com</UserID>
          <UserID>another_one@nowhere.com</UserID>
          <ContactList>wv:john%2FMy_friends@smith.com</ContactList>
          <ContactList>wv:john%2FMy_family@smith.com</ContactList>
          <DefaultList>T</DefaultList>
        </DeleteAttributeList-Request>
      </TransactionContent>
    </Transaction>
  </Session>
</WV-CSP-Message>
```

6.39.2 Status primitive

```
<WV-CSP-Message xmlns="http://www.wireless-village.org/CSP1.0">
  <Session>
    <SessionDescriptor>
      <SessionType>Inband</SessionType>
      <SessionID>im.user.com#48815@server.com</SessionID>
    </SessionDescriptor>
    <Transaction>
      <TransactionDescriptor>
        <TransactionMode>Response</TransactionMode>
        <TransactionID>IMApp01#12345@NOK5110</TransactionID>
        <Poll>F</Poll>
      </TransactionDescriptor>
      <TransactionContent xmlns="http://www.wireless-village.org/TRC1.0">
        <Status>
          <Result>
            <Code>200</Code>
            <Description>Successfully completed.</Description>
          </Result>
        </Status>
      </TransactionContent>
    </Transaction>
  </Session>
</WV-CSP-Message>
```

6.40 Get Attribute list transaction

6.40.1 GetAttributeList-Request primitive

```
<WV-CSP-Message xmlns="http://www.wireless-village.org/CSP1.0">
  <Session>
    <SessionDescriptor>
```

```

    <SessionType>Inband</SessionType>
    <SessionID>im.user.com#48815@server.com</SessionID>
</SessionDescriptor>
<Transaction>
  <TransactionDescriptor>
    <TransactionMode>Request</TransactionMode>
    <TransactionID>IMApp01#12345@NOK5110</TransactionID>
  </TransactionDescriptor>
  <TransactionContent xmlns="http://www.wireless-village.org/TRC1.0">
    <GetAttributeList-Request>
      <DefaultList>T</DefaultList>
    </GetAttributeList-Request>
  </TransactionContent>
</Transaction>
</Session>
</WV-CSP-Message>

```

6.40.2 GetAttributeList-Response primitive

```

<WV-CSP-Message xmlns="http://www.wireless-village.org/CSP1.0">
  <Session>
    <SessionDescriptor>
      <SessionType>Inband</SessionType>
      <SessionID>im.user.com#48815@server.com</SessionID>
    </SessionDescriptor>
    <Transaction>
      <TransactionDescriptor>
        <TransactionMode>Request</TransactionMode>
        <TransactionID>IMApp01#12345@NOK5110</TransactionID>
        <Poll>F</Poll>
      </TransactionDescriptor>
      <TransactionContent xmlns="http://www.wireless-village.org/TRC1.0">
        <GetAttributeList-Response>
          <Result>
            <Code>200</Code>
          </Result>
          <DefaultAttributeList>
            <PresenceSubList xmlns="http://www.wireless-village.org/PA1.0">
              <UserAvailability/>
              <StatusMood/>
            </PresenceSubList>
          </DefaultAttributeList>
          <Presence>
            <UserID>somebody@nowhere.com</UserID>
            <PresenceSubList xmlns="http://www.wireless-village.org/PA1.0">
              <OnlineStatus/>
              <UserAvailability/>
              <StatusText/>
              <StatusMood/>
            </PresenceSubList>
          </Presence>
          <Presence>
            <UserID>another_one@nowhere.com</UserID>
            <PresenceSubList xmlns="http://www.wireless-village.org/PA1.0">
              <UserAvailability/>
              <StatusMood/>
            </PresenceSubList>
          </Presence>
          <Presence>
            <ContactList>wv:john%2FMy_friends@smith.com</ContactList>
            <PresenceSubList xmlns="http://www.wireless-village.org/PA1.0">

```

```

        <UserAvailability/>
        <StatusMood/>
    </PresenceSubList>
</Presence>
<Presence>
    <ContactList>wv: john%2FMy_family@smith.com</ContactList>
    <PresenceSubList xmlns="http://www.wireless-village.org/PA1.0">
        <UserAvailability/>
        <StatusMood/>
    </PresenceSubList>
</Presence>
</GetAttributeList-Response>
</TransactionContent>
</Transaction>
</Session>
</WV-CSP-Message>

```

6.41 Create group transaction

6.41.1 CreateGroup-Request primitive

```

<WV-CSP-Message xmlns="http://www.wireless-village.org/CSP1.0">
  <Session>
    <SessionDescriptor>
      <SessionType>Inband</SessionType>
      <SessionID>im.user.com#48815@server.com</SessionID>
    </SessionDescriptor>
    <Transaction>
      <TransactionDescriptor>
        <TransactionMode>Request</TransactionMode>
        <TransactionID>IMApp01#12345@NOK5110</TransactionID>
      </TransactionDescriptor>
      <TransactionContent xmlns="http://www.wireless-village.org/TRC1.0">
        <CreateGroup-Request>
          <GroupID>wv: john%2Fpartygroup@there.com</GroupID>
          <GroupProperties>
            <Property>
              <Name>Name</Name>
              <Value>Party discussion</Value>
            </Property>
            <Property>
              <Name>Accesstype</Name>
              <Value>Closed</Value>
            </Property>
            <Property>
              <Name>PrivateMessaging</Name>
              <Value>F</Value>
            </Property>
            <Property>
              <Name>Searchable</Name>
              <Value>T</Value>
            </Property>
            <Property>
              <Name>Topic</Name>
              <Value>Party</Value>
            </Property>
            <Property>
              <Name>MaxActiveUsers</Name>
              <Value>30</Value>
            </Property>
          <WelcomeNote>

```

```

        <ContentType>text/plain</ContentType>
        <ContentData>Welcome to WV's party house</ContentData>
    </WelcomeNote>
</GroupProperties>
</CreateGroup-Request>
</TransactionContent>
</Transaction>
</Session>
</WV-CSP-Message>

```

6.41.2 Status primitive

```

<WV-CSP-Message xmlns="http://www.wireless-village.org/CSP1.0">
  <Session>
    <SessionDescriptor>
      <SessionType>Inband</SessionType>
      <SessionID>im.user.com#48815@server.com</SessionID>
    </SessionDescriptor>
    <Transaction>
      <TransactionDescriptor>
        <TransactionMode>Response</TransactionMode>
        <TransactionID>IMApp01#12345@NOK5110</TransactionID>
        <Poll>F</Poll>
      </TransactionDescriptor>
      <TransactionContent xmlns="http://www.wireless-village.org/TRC1.0">
        <Status>
          <Result>
            <Code>200</Code>
            <Description>Successfully completed.</Description>
          </Result>
        </Status>
      </TransactionContent>
    </TransactionContent>
  </Transaction>
</Session>
</WV-CSP-Message>

```

6.42 Delete group transaction

6.42.1 DeleteGroup-Request primitive

```

<WV-CSP-Message xmlns="http://www.wireless-village.org/CSP1.0">
  <Session>
    <SessionDescriptor>
      <SessionType>Inband</SessionType>
      <SessionID>im.user.com#48815@server.com</SessionID>
    </SessionDescriptor>
    <Transaction>
      <TransactionDescriptor>
        <TransactionMode>Request</TransactionMode>
        <TransactionID>IMApp01#12345@NOK5110</TransactionID>
      </TransactionDescriptor>
      <TransactionContent xmlns="http://www.wireless-village.org/TRC1.0">
        <DeleteGroup-Request>
          <GroupID>wv:john%2Fpartygroup@there.com</GroupID>
        </DeleteGroup-Request>
      </TransactionContent>
    </Transaction>
  </Session>
</WV-CSP-Message>

```

6.42.2 Status primitive

```
<WV-CSP-Message xmlns="http://www.wireless-village.org/CSP1.0">
  <Session>
    <SessionDescriptor>
      <SessionType>Inband</SessionType>
      <SessionID>im.user.com#48815@server.com</SessionID>
    </SessionDescriptor>
    <Transaction>
      <TransactionDescriptor>
        <TransactionMode>Response</TransactionMode>
        <TransactionID>IMApp01#12345@NOK5110</TransactionID>
        <Poll>F</Poll>
      </TransactionDescriptor>
      <TransactionContent xmlns="http://www.wireless-village.org/TRC1.0">
        <Status>
          <Result>
            <Code>200</Code>
            <Description>Successfully completed.</Description>
          </Result>
        </Status>
      </TransactionContent>
    </Transaction>
  </Session>
</WV-CSP-Message>
```

6.43 Join group transaction

6.43.1 JoinGroup-Request primitive

```
<WV-CSP-Message xmlns="http://www.wireless-village.org/CSP1.0">
  <Session>
    <SessionDescriptor>
      <SessionType>Inband</SessionType>
      <SessionID>im.user.com#48815@server.com</SessionID>
    </SessionDescriptor>
    <Transaction>
      <TransactionDescriptor>
        <TransactionMode>Request</TransactionMode>
        <TransactionID>IMApp01#12345@NOK5110</TransactionID>
      </TransactionDescriptor>
      <TransactionContent xmlns="http://www.wireless-village.org/TRC1.0">
        <JoinGroup-Request>
          <GroupID>wv:john%2Fpartygroup@there.com</GroupID>
          <JoinedRequest>T</JoinedRequest>
        </JoinGroup-Request>
      </TransactionContent>
    </Transaction>
  </Session>
</WV-CSP-Message>
```

6.43.2 JoinGroup-Response primitive

```
<WV-CSP-Message xmlns="http://www.wireless-village.org/CSP1.0">
  <Session>
    <SessionDescriptor>
      <SessionType>Inband</SessionType>
      <SessionID>im.user.com#48815@server.com</SessionID>
    </SessionDescriptor>
    <Transaction>
      <TransactionDescriptor>
```

```

    <TransactionMode>Response</TransactionMode>
    <TransactionID>IMApp01#12345@NOK5110</TransactionID>
    <Poll>F</Poll>
  </TransactionDescriptor>
  <TransactionContent xmlns="http://www.wireless-village.org/TRCl.0">
    <JoinGroup-Response>
      <UserList>
        <ScreenName>
          <Name>Johnny</Name>
          <GroupID>wv:john%2Fpartygroup@there.com</GroupID>
        </ScreenName>
        <ScreenName>
          <Name>He</Name>
          <GroupID>wv:john%2Fpartygroup@there.com</GroupID>
        </ScreenName>
        <ScreenName>
          <Name>She</Name>
          <GroupID>wv:john%2Fpartygroup@there.com</GroupID>
        </ScreenName>
        <ScreenName>
          <Name>Francisco</Name>
          <GroupID>wv:john%2Fpartygroup@there.com</GroupID>
        </ScreenName>
        <ScreenName>
          <Name>Matthias</Name>
          <GroupID>wv:john%2Fpartygroup@there.com</GroupID>
        </ScreenName>
      </UserList>
      <WelcomeNote>
        <ContentType>text/plain</ContentType>
        <ContentData>Welcome to WV's party house</ContentData>
      </WelcomeNote>
    </JoinGroup-Response>
  </TransactionContent>
</Transaction>
</Session>
</WV-CSP-Message>

```

6.44 User initiated leave group transaction

6.44.1 LeaveGroup-Request primitive

```

<WV-CSP-Message xmlns="http://www.wireless-village.org/CSP1.0">
  <Session>
    <SessionDescriptor>
      <SessionType>Inband</SessionType>
      <SessionID>im.user.com#48815@server.com</SessionID>
    </SessionDescriptor>
    <Transaction>
      <TransactionDescriptor>
        <TransactionMode>Request</TransactionMode>
        <TransactionID>IMApp01#12345@NOK5110</TransactionID>
      </TransactionDescriptor>
      <TransactionContent xmlns="http://www.wireless-village.org/TRCl.0">
        <LeaveGroup-Request>
          <GroupID>wv:john%2Fpartygroup@there.com</GroupID>
        </LeaveGroup-Request>
      </TransactionContent>
    </Transaction>
  </Session>
</WV-CSP-Message>

```

6.44.2 LeaveGroup-Response primitive

```
<WV-CSP-Message xmlns="http://www.wireless-village.org/CSP1.0">
  <Session>
    <SessionDescriptor>
      <SessionType>Inband</SessionType>
      <SessionID>im.user.com#48815@server.com</SessionID>
    </SessionDescriptor>
    <Transaction>
      <TransactionDescriptor>
        <TransactionMode>Response</TransactionMode>
        <TransactionID>IMApp01#12345@NOK5110</TransactionID>
        <Poll>F</Poll>
      </TransactionDescriptor>
      <TransactionContent xmlns="http://www.wireless-village.org/TRC1.0">
        <LeaveGroup-Response>
          <GroupID>wv:john%2Fpartygroup@there.com</GroupID>
          <Result>
            <Code>200</Code>
            <Description>Own request.</Description>
          </Result>
        </LeaveGroup-Response>
      </TransactionContent>
    </Transaction>
  </Session>
</WV-CSP-Message>
```

6.45 Server initiated leave group transaction

6.45.1 LeaveGroup-Response primitive

```
<WV-CSP-Message xmlns="http://www.wireless-village.org/CSP1.0">
  <Session>
    <SessionDescriptor>
      <SessionType>Inband</SessionType>
      <SessionID>im.user.com#48815@server.com</SessionID>
    </SessionDescriptor>
    <Transaction>
      <TransactionDescriptor>
        <TransactionMode>Request</TransactionMode>
        <TransactionID>IMApp01#12345@NOK5110</TransactionID>
        <Poll>F</Poll>
      </TransactionDescriptor>
      <TransactionContent xmlns="http://www.wireless-village.org/TRC1.0">
        <LeaveGroup-Response>
          <GroupID>wv:john%2Fpartygroup@there.com</GroupID>
          <Result>
            <Code>809</Code>
            <Description>You have been rejected from this
group.</Description>
          </Result>
        </LeaveGroup-Response>
      </TransactionContent>
    </Transaction>
  </Session>
</WV-CSP-Message>
```

6.45.2 Status primitive

```
<WV-CSP-Message xmlns="http://www.wireless-village.org/CSP1.0">
```



```
<Session>
  <SessionDescriptor>
    <SessionType>Inband</SessionType>
    <SessionID>im.user.com#48815@server.com</SessionID>
  </SessionDescriptor>
  <Transaction>
    <TransactionDescriptor>
      <TransactionMode>Response</TransactionMode>
      <TransactionID>IMApp01#12345@NOK5110</TransactionID>
    </TransactionDescriptor>
    <TransactionContent xmlns="http://www.wireless-village.org/TRC1.0">
      <Status>
        <Result>
          <Code>200</Code>
        </Result>
      </Status>
    </TransactionContent>
  </Transaction>
</Session>
</WV-CSP-Message>
```

6.46 Get group member list transaction

6.46.1 GetGroupMembers-Request primitive

```
<WV-CSP-Message xmlns="http://www.wireless-village.org/CSP1.0">
  <Session>
    <SessionDescriptor>
      <SessionType>Inband</SessionType>
      <SessionID>im.user.com#48815@server.com</SessionID>
    </SessionDescriptor>
    <Transaction>
      <TransactionDescriptor>
        <TransactionMode>Request</TransactionMode>
        <TransactionID>IMApp01#12345@NOK5110</TransactionID>
      </TransactionDescriptor>
      <TransactionContent xmlns="http://www.wireless-village.org/TRC1.0">
        <GetGroupMembers-Request>
          <GroupID>wv:john%2Fpartygroup@there.com</GroupID>
        </GetGroupMembers-Request>
      </TransactionContent>
    </Transaction>
  </Session>
</WV-CSP-Message>
```

6.46.2 GetGroupMembers-Response primitive

```
<WV-CSP-Message xmlns="http://www.wireless-village.org/CSP1.0">
  <Session>
    <SessionDescriptor>
      <SessionType>Inband</SessionType>
      <SessionID>im.user.com#48815@server.com</SessionID>
    </SessionDescriptor>
    <Transaction>
      <TransactionDescriptor>
        <TransactionMode>Response</TransactionMode>
        <TransactionID>IMApp01#12345@NOK5110</TransactionID>
        <Poll>F</Poll>
      </TransactionDescriptor>
      <TransactionContent xmlns="http://www.wireless-village.org/TRC1.0">
        <GetGroupMembers-Response>

```

```

    <Users>
      <UserList>
        <User><UserID>wv:he@there.com</UserID></User>
        <User><UserID>wv:she@there.com</UserID></User>
        <User><UserID>wv:john@smith.com</UserID></User>
        <User><UserID>wv:matthias@salamander.com</UserID></User>
        <User><UserID>wv:francisco@don.com</UserID></User>
      </UserList>
    </Users>
  </GetGroupMembers-Response>
</TransactionContent>
</Transaction>
</Session>
</WV-CSP-Message>

```

6.47 Add group members to a group transaction

6.47.1 AddGroupMembers-Request primitive

```

<WV-CSP-Message xmlns="http://www.wireless-village.org/CSP1.0">
  <Session>
    <SessionDescriptor>
      <SessionType>Inband</SessionType>
      <SessionID>im.user.com#48815@server.com</SessionID>
    </SessionDescriptor>
    <Transaction>
      <TransactionDescriptor>
        <TransactionMode>Request</TransactionMode>
        <TransactionID>IMApp01#12345@NOK5110</TransactionID>
      </TransactionDescriptor>
      <TransactionContent xmlns="http://www.wireless-village.org/TRC1.0">
        <AddGroupMembers-Request>
          <GroupID>wv:john%2Fpartygroup@there.com</GroupID>
          <UserList>
            <User><UserID>wv:he@there.com</UserID></User>
            <User><UserID>wv:she@there.com</UserID></User>
          </UserList>
        </AddGroupMembers-Request>
      </TransactionContent>
    </Transaction>
  </Session>
</WV-CSP-Message>

```

6.47.2 Status primitive

```

<WV-CSP-Message xmlns="http://www.wireless-village.org/CSP1.0">
  <Session>
    <SessionDescriptor>
      <SessionType>Inband</SessionType>
      <SessionID>im.user.com#48815@server.com</SessionID>
    </SessionDescriptor>
    <Transaction>
      <TransactionDescriptor>
        <TransactionMode>Response</TransactionMode>
        <TransactionID>IMApp01#12345@NOK5110</TransactionID>
        <Poll>F</Poll>
      </TransactionDescriptor>
      <TransactionContent xmlns="http://www.wireless-village.org/TRC1.0">
        <Status>
          <Result>
            <Code>200</Code>
          </Result>
        </Status>
      </TransactionContent>
    </Transaction>
  </Session>
</WV-CSP-Message>

```

```

        <Description>Successfully completed.</Description>
      </Result>
    </Status>
  </TransactionContent>
</Transaction>
</Session>
</WV-CSP-Message>

```

6.48 Remove group members from a group transaction

6.48.1 RemoveGroupMembers-Request primitive

```

<WV-CSP-Message xmlns="http://www.wireless-village.org/CSP1.0">
  <Session>
    <SessionDescriptor>
      <SessionType>Inband</SessionType>
      <SessionID>im.user.com#48815@server.com</SessionID>
    </SessionDescriptor>
    <Transaction>
      <TransactionDescriptor>
        <TransactionMode>Request</TransactionMode>
        <TransactionID>IMApp01#12345@NOK5110</TransactionID>
      </TransactionDescriptor>
      <TransactionContent xmlns="http://www.wireless-village.org/TRC1.0">
        <RemoveGroupMembers-Request>
          <GroupID>wv:john%2Fpartygroup@there.com</GroupID>
          <UserList>
            <User><UserID>wv:matthias@salamander.com</UserID></User>
            <User><UserID>wv:john@smith.com</UserID></User>
            <User><UserID>wv:francisco@don.com</UserID></User>
            <User><UserID>wv:he@there.com</UserID></User>
            <User><UserID>wv:she@there.com</UserID></User>
          </UserList>
        </RemoveGroupMembers-Request>
      </TransactionContent>
    </Transaction>
  </Session>
</WV-CSP-Message>

```

6.48.2 Status primitive

```

<WV-CSP-Message xmlns="http://www.wireless-village.org/CSP1.0">
  <Session>
    <SessionDescriptor>
      <SessionType>Inband</SessionType>
      <SessionID>im.user.com#48815@server.com</SessionID>
    </SessionDescriptor>
    <Transaction>
      <TransactionDescriptor>
        <TransactionMode>Response</TransactionMode>
        <TransactionID>IMApp01#12345@NOK5110</TransactionID>
        <Poll>F</Poll>
      </TransactionDescriptor>
      <TransactionContent xmlns="http://www.wireless-village.org/TRC1.0">
        <Status>
          <Result>
            <Code>200</Code>
            <Description>Successfully completed.</Description>
          </Result>
        </Status>
      </TransactionContent>
    </Transaction>
  </Session>
</WV-CSP-Message>

```

```

    </Transaction>
  </Session>
</WV-CSP-Message>

```

6.49 Changing access rights in a group transaction

6.49.1 MemberAccess-Request primitive

```

<WV-CSP-Message xmlns="http://www.wireless-village.org/CSP1.0">
  <Session>
    <SessionDescriptor>
      <SessionType>Inband</SessionType>
      <SessionID>im.user.com#48815@server.com</SessionID>
    </SessionDescriptor>
    <Transaction>
      <TransactionDescriptor>
        <TransactionMode>Request</TransactionMode>
        <TransactionID>IMApp01#12345@NOK5110</TransactionID>
      </TransactionDescriptor>
      <TransactionContent xmlns="http://www.wireless-village.org/TRC1.0">
        <MemberAccess-Request>
          <GroupID>wv:john%2Fpartygroup@there.com</GroupID>
          <Admin>
            <UserList>
              <User><UserID>wv:john@smith.com</UserID></User>
              <User><UserID>wv:francisco@don.com</UserID></User>
            </UserList>
          </Admin>
          <Users>
            <UserList>
              <User><UserID>wv:matthias@salamander.com</UserID></User>
              <User><UserID>wv:he@there.com</UserID></User>
              <User><UserID>wv:she@there.com</UserID></User>
            </UserList>
          </Users>
        </MemberAccess-Request>
      </TransactionContent>
    </Transaction>
  </Session>
</WV-CSP-Message>

```

6.49.2 Status primitive

```

<WV-CSP-Message xmlns="http://www.wireless-village.org/CSP1.0">
  <Session>
    <SessionDescriptor>
      <SessionType>Inband</SessionType>
      <SessionID>im.user.com#48815@server.com</SessionID>
    </SessionDescriptor>
    <Transaction>
      <TransactionDescriptor>
        <TransactionMode>Response</TransactionMode>
        <TransactionID>IMApp01#12345@NOK5110</TransactionID>
        <Poll>F</Poll>
      </TransactionDescriptor>
      <TransactionContent xmlns="http://www.wireless-village.org/TRC1.0">
        <Status>
          <Result>
            <Code>200</Code>
            <Description>Successfully completed.</Description>
          </Result>
        </Status>
      </TransactionContent>
    </Transaction>
  </Session>
</WV-CSP-Message>

```

```

    </Status>
  </TransactionContent>
</Transaction>
</Session>
</WV-CSP-Message>

```

6.50 Modify group properties transaction

6.50.1 GetGroupProps-Request primitive

```

<WV-CSP-Message xmlns="http://www.wireless-village.org/CSP1.0">
  <Session>
    <SessionDescriptor>
      <SessionType>Inband</SessionType>
      <SessionID>im.user.com#48815@server.com</SessionID>
    </SessionDescriptor>
    <Transaction>
      <TransactionDescriptor>
        <TransactionMode>Request</TransactionMode>
        <TransactionID>IMApp01#12345@NOK5110</TransactionID>
      </TransactionDescriptor>
      <TransactionContent xmlns="http://www.wireless-village.org/TRC1.0">
        <GetGroupProps-Request>
          <GroupID>wv:john%2Fpartygroup@there.com</GroupID>
        </GetGroupProps-Request>
      </TransactionContent>
    </Transaction>
  </Session>
</WV-CSP-Message>

```

6.50.2 GetGroupProps-Response primitive

```

<WV-CSP-Message xmlns="http://www.wireless-village.org/CSP1.0">
  <Session>
    <SessionDescriptor>
      <SessionType>Inband</SessionType>
      <SessionID>im.user.com#48815@server.com</SessionID>
    </SessionDescriptor>
    <Transaction>
      <TransactionDescriptor>
        <TransactionMode>Response</TransactionMode>
        <TransactionID>IMApp01#12345@NOK5110</TransactionID>
        <Poll>F</Poll>
      </TransactionDescriptor>
      <TransactionContent xmlns="http://www.wireless-village.org/TRC1.0">
        <GetGroupProps-Response>
          <GroupProperties>
            <Property>
              <Name>Name</Name>
              <Value>Party discussion</Value>
            </Property>
            <Property>
              <Name>Accesstype</Name>
              <Value>Closed</Value>
            </Property>
            <Property>
              <Name>Type</Name>
              <Value>Private</Value>
            </Property>
            <Property>
              <Name>PrivateMessaging</Name>

```

```

    <Value>F</Value>
  </Property>
</Property>
  <Name>Searchable</Name>
  <Value>T</Value>
</Property>
<Property>
  <Name>Topic</Name>
  <Value>Party</Value>
</Property>
<Property>
  <Name>ActiveUsers</Name>
  <Value>3</Value>
</Property>
<Property>
  <Name>MaxActiveUsers</Name>
  <Value>30</Value>
</Property>
<WelcomeNote>
  <ContentType>text/plain</ContentType>
  <ContentData>Welcome to WV's party house</ContentData>
</WelcomeNote>
</GroupProperties>
<OwnProperties>
  <Property>
    <Name>PrivateMessaging</Name>
    <Value>T</Value>
  </Property>
  <Property>
  </Property>
  <Property>
    <Name>IsMember</Name>
    <Value>T</Value>
  </Property>
  <Name>PrivilegeLevel</Name>
  <Value>Read</Value>
  </Property>
</OwnProperties>
</GetGroupProps-Response>
</TransactionContent>
</Transaction>
</Session>
</WV-CSP-Message>

```

6.50.3 SetGroupProps-Request primitive

```

<WV-CSP-Message xmlns="http://www.wireless-village.org/CSP1.0">
  <Session>
    <SessionDescriptor>
      <SessionType>Inband</SessionType>
      <SessionID>im.user.com#48815@server.com</SessionID>
    </SessionDescriptor>
  </Session>
  <Transaction>
    <TransactionDescriptor>
      <TransactionMode>Request</TransactionMode>
      <TransactionID>IMApp01#12345@NOK5110</TransactionID>
    </TransactionDescriptor>
    <TransactionContent xmlns="http://www.wireless-village.org/TRC1.0">
      <SetGroupProps-Request>
        <GroupID>wv:john%2Fpartygroup@there.com</GroupID>
        <GroupProperties>
          <Property>

```

```

        <Name>Name</Name>
        <Value>Party house</Value>
    </Property>
    <Property>
        <Name>PrivateMessaging</Name>
        <Value>T</Value>
    </Property>
    <Property>
        <Name>MaxActiveUsers</Name>
        <Value>10</Value>
    </Property>
    <WelcomeNote>
        <ContentType>text/plain</ContentType>
        <ContentData>Welcome! Be gentle!</ContentData>
    </WelcomeNote>
    </GroupProperties>
</SetGroupProps-Request>
</TransactionContent>
</Transaction>
</Session>
</WV-CSP-Message>

```

6.50.4 Status primitive

```

<WV-CSP-Message xmlns="http://www.wireless-village.org/CSP1.0">
  <Session>
    <SessionDescriptor>
      <SessionType>Inband</SessionType>
      <SessionID>im.user.com#48815@server.com</SessionID>
    </SessionDescriptor>
    <Transaction>
      <TransactionDescriptor>
        <TransactionMode>Response</TransactionMode>
        <TransactionID>IMApp01#12345@NOK5110</TransactionID>
        <Poll>F</Poll>
      </TransactionDescriptor>
      <TransactionContent xmlns="http://www.wireless-village.org/TRC1.0">
        <Status>
          <Result>
            <Code>200</Code>
            <Description>Successfully completed.</Description>
          </Result>
        </Status>
      </TransactionContent>
    </Transaction>
  </Session>
</WV-CSP-Message>

```

6.51 Reject user from group transaction

6.51.1 RejectList-Request primitive

```

<WV-CSP-Message xmlns="http://www.wireless-village.org/CSP1.0">
  <Session>
    <SessionDescriptor>
      <SessionType>Inband</SessionType>
      <SessionID>im.user.com#48815@server.com</SessionID>
    </SessionDescriptor>
    <Transaction>
      <TransactionDescriptor>
        <TransactionMode>Request</TransactionMode>

```

```

    <TransactionID>IMApp01#12345@NOK5110</TransactionID>
  </TransactionDescriptor>
  <TransactionContent xmlns="http://www.wireless-village.org/TRC1.0">
    <RejectList-Request>
      <GroupID>wv:john%2Fpartygroup@there.com</GroupID>
      <AddList>
        <UserID>wv:he@there.com</UserID>
        <UserID>wv:she@there.com</UserID>
      </AddList>
      <RemoveList>
        <UserID>wv:john@smith.com</UserID>
        <UserID>wv:matthias@salamander.com</UserID>
      </RemoveList>
    </RejectList-Request>
  </TransactionContent>
</Transaction>
</Session>
</WV-CSP-Message>

```

6.51.2 RejectList-Response primitive

```

<WV-CSP-Message xmlns="http://www.wireless-village.org/CSP1.0">
  <Session>
    <SessionDescriptor>
      <SessionType>Inband</SessionType>
      <SessionID>im.user.com#48815@server.com</SessionID>
    </SessionDescriptor>
    <Transaction>
      <TransactionDescriptor>
        <TransactionMode>Response</TransactionMode>
        <TransactionID>IMApp01#12345@NOK5110</TransactionID>
        <Poll>F</Poll>
      </TransactionDescriptor>
      <TransactionContent xmlns="http://www.wireless-village.org/TRC1.0">
        <RejectList-Response>
          <UserList>
            <User><UserID>wv:he@there.com</UserID></User>
            <User><UserID>wv:she@there.com</UserID></User>
          </UserList>
        </RejectList-Response>
      </TransactionContent>
    </Transaction>
  </Session>
</WV-CSP-Message>

```

6.52 Subscribe group change notification transaction

6.52.1 SubscribeGroupNotice-Request primitive (get)

```

<WV-CSP-Message xmlns="http://www.wireless-village.org/CSP1.0">
  <Session>
    <SessionDescriptor>
      <SessionType>Inband</SessionType>
      <SessionID>im.user.com#48815@server.com</SessionID>
    </SessionDescriptor>
    <Transaction>
      <TransactionDescriptor>
        <TransactionMode>Request</TransactionMode>
        <TransactionID>IMApp01#12345@NOK5110</TransactionID>
      </TransactionDescriptor>
      <TransactionContent xmlns="http://www.wireless-village.org/TRC1.0">

```



```

    <SubscribeGroupNotice-Request>
      <GroupID>wv:john%2Fpartygroup@there.com</GroupID>
      <SubscribeType>G</SubscribeType>
    </SubscribeGroupNotice-Request>
  </TransactionContent>
</Transaction>
</Session>
</WV-CSP-Message>

```

6.52.2 SubscribeGroupNotice-Response primitive

```

<WV-CSP-Message xmlns="http://www.wireless-village.org/CSP1.0">
  <Session>
    <SessionDescriptor>
      <SessionType>Inband</SessionType>
      <SessionID>im.user.com#48815@server.com</SessionID>
    </SessionDescriptor>
    <Transaction>
      <TransactionDescriptor>
        <TransactionMode>Response</TransactionMode>
        <TransactionID>IMApp01#12345@NOK5110</TransactionID>
        <Poll>F</Poll>
      </TransactionDescriptor>
      <TransactionContent xmlns="http://www.wireless-village.org/TRC1.0">
        <SubscribeGroupNotice-Response>
          <Value>F</Value>
        </SubscribeGroupNotice-Response>
      </TransactionContent>
    </Transaction>
  </Session>
</WV-CSP-Message>

```

6.52.3 SubscribeGroupNotice-Request primitive (set)

```

<WV-CSP-Message xmlns="http://www.wireless-village.org/CSP1.0">
  <Session>
    <SessionDescriptor>
      <SessionType>Inband</SessionType>
      <SessionID>im.user.com#48815@server.com</SessionID>
    </SessionDescriptor>
    <Transaction>
      <TransactionDescriptor>
        <TransactionMode>Request</TransactionMode>
        <TransactionID>IMApp01#12346@NOK5110</TransactionID>
      </TransactionDescriptor>
      <TransactionContent xmlns="http://www.wireless-village.org/TRC1.0">
        <SubscribeGroupNotice-Request>
          <GroupID>wv:john%2Fpartygroup@there.com</GroupID>
          <SubscribeType>S</SubscribeType>
        </SubscribeGroupNotice-Request>
      </TransactionContent>
    </Transaction>
  </Session>
</WV-CSP-Message>

```

6.52.4 Status primitive

```

<WV-CSP-Message xmlns="http://www.wireless-village.org/CSP1.0">
  <Session>
    <SessionDescriptor>
      <SessionType>Inband</SessionType>

```

```

    <SessionID>im.user.com#48815@server.com</SessionID>
  </SessionDescriptor>
</Transaction>
  <TransactionDescriptor>
    <TransactionMode>Response</TransactionMode>
    <TransactionID>IMApp01#12346@NOK5110</TransactionID>
    <Poll>F</Poll>
  </TransactionDescriptor>
  <TransactionContent xmlns="http://www.wireless-village.org/TRC1.0">
    <Status>
      <Result>
        <Code>200</Code>
        <Description>Successfully completed.</Description>
      </Result>
    </Status>
  </TransactionContent>
</Transaction>
</Session>
</WV-CSP-Message>

```

6.52.5 GroupChangeNotice primitive

```

<WV-CSP-Message xmlns="http://www.wireless-village.org/CSP1.0">
  <Session>
    <SessionDescriptor>
      <SessionType>Inband</SessionType>
      <SessionID>im.user.com#48815@server.com</SessionID>
    </SessionDescriptor>
    <Transaction>
      <TransactionDescriptor>
        <TransactionMode>Request</TransactionMode>
        <TransactionID>IMApp01#12347@NOK5110</TransactionID>
        <Poll>F</Poll>
      </TransactionDescriptor>
      <TransactionContent xmlns="http://www.wireless-village.org/TRC1.0">
        <GroupChangeNotice>
          <GroupID>wv: john%2Fpartygroup@there.com</GroupID>
          <Joined>
            <ScreenName>
              <Name>Johnny</Name>
              <GroupID>wv: john%2Fpartygroup@there.com</GroupID>
            </ScreenName>
            <ScreenName>
              <Name>Franko</Name>
              <GroupID>wv: john%2Fpartygroup@there.com</GroupID>
            </ScreenName>
          </Joined>
          <Left>
            <ScreenName>
              <Name>He</Name>
              <GroupID>wv: john%2Fpartygroup@there.com</GroupID>
            </ScreenName>
            <ScreenName>
              <Name>She</Name>
              <GroupID>wv: john%2Fpartygroup@there.com</GroupID>
            </ScreenName>
          </Left>
          <GroupProperties/>
          <OwnProperties>
            <Property>
              <Name>PrivilegeLevel</Name>

```

```
        <Value>Mod</Value>
      </Property>
    </OwnProperties>
  </GroupChangeNotice>
</TransactionContent>
</Transaction>
</Session>
</WV-CSP-Message>
```

6.52.6 Status primitive

```
<WV-CSP-Message xmlns="http://www.wireless-village.org/CSP1.0">
  <Session>
    <SessionDescriptor>
      <SessionType>Inband</SessionType>
      <SessionID>im.user.com#48815@server.com</SessionID>
    </SessionDescriptor>
    <Transaction>
      <TransactionDescriptor>
        <TransactionMode>Response</TransactionMode>
        <TransactionID>IMApp01#12347@NOK5110</TransactionID>
      </TransactionDescriptor>
      <TransactionContent xmlns="http://www.wireless-village.org/TRC1.0">
        <Status>
          <Result>
            <Code>200</Code>
          </Result>
        </Status>
      </TransactionContent>
    </Transaction>
  </Session>
</WV-CSP-Message>
```