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1. REVISION HISTORY

<table>
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<tr>
<th>Date</th>
<th>Issue</th>
<th>Description</th>
<th>Author</th>
</tr>
</thead>
<tbody>
<tr>
<td>February 13th</td>
<td>TBD</td>
<td>Initial release</td>
<td>WV TechComm</td>
</tr>
<tr>
<td>July 31, 2002</td>
<td>V1.1</td>
<td>Version 1.1</td>
<td>WV TechComm</td>
</tr>
</tbody>
</table>
2. REFERENCES

[E.164] ITU-T Recommendation E.164 (05/97) The international public telecommunication numbering plan

[IANA] Character sets registered at IANA (MIBenum assignments)


Data elements and interchange formats – Information exchange – Representation of dates and times

[RFC2045] “Multipurpose Internet Mail Extensions (MIME) Part one: Format of Internet Message Bodies”. Section 6.8 “Base64 Content-Transfer-Encoding”.


[RFC2396] Uniform Resource Identifiers (URI): Generic Syntax


3. BASIC TYPES

3.1 CHARACTER
A character is single UTF-8 encoded character.

3.2 INTEGER
An integer is a number from 0-4294967295 expressed in decimal format.

3.3 BOOLEAN
A Boolean value indicates either true or false.

In XML: it has been encoded to a single character, the following values are defined:
- T – indicating yes or true (UTF-8 encoded character)
- F – indicating no or false (UTF-8 encoded character)

These values are case insensitive.

3.4 STRING
A string of UTF-8 encoded characters.

3.5 DATE AND TIME
Expressed as a string, the format follows the [ISO8601] specification. The date and time format used shall be the complete date and time using the basic format. There shall be no time-zone indications, but the time may indicate if the time is Coordinated Universal Time (UTC) or local time. Examples are:

20011019T125031
for local time, and
20011019T095031Z
for UTC time.

3.6 BINARY DATA
The binary data must be encoded according to BASE64 encoding [RFC2045].

3.7 DERIVED TYPES

3.7.1 Enumerated
The enumerated type is a type derived from the basic types that limit the values to certain, defined values. Examples of this are enumerated string, enumerated character and enumerated integer.
In the case of enumerated string and enumerated characters, the values shall be case insensitive.

3.7.2 Structure

The structure type allows the definition of an information element as a structure of basic types. The structure itself is defined in an XML DTD Element.
4. DATA TYPE ASSIGNMENTS FOR XML ELEMENTS

4.1 XML ELEMENT ASSIGNMENT FOR CSP INFORMATION ELEMENTS

<table>
<thead>
<tr>
<th>Information Element</th>
<th>XML Element</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acceptance</td>
<td>Acceptance</td>
</tr>
<tr>
<td>Accepted-Content-Length</td>
<td>ContentSize</td>
</tr>
<tr>
<td>Add-Nick-List</td>
<td>AddNickList</td>
</tr>
<tr>
<td>Add-Users-List</td>
<td>AddList</td>
</tr>
<tr>
<td>Agreed-Capabilities</td>
<td>CapabilityList</td>
</tr>
<tr>
<td>All-Functions</td>
<td>AllFunctions</td>
</tr>
<tr>
<td>All-Functions-Request</td>
<td>AllFunctionsRequest</td>
</tr>
<tr>
<td>Attribute-Association-List</td>
<td>AttributeList+</td>
</tr>
<tr>
<td>Blocked-Entity-List</td>
<td>BlockList(EntityList)</td>
</tr>
<tr>
<td>Blocked-List-Inuse</td>
<td>BlockList(InUse)</td>
</tr>
<tr>
<td>Block-Entity-List</td>
<td>BlockList(EntityList)</td>
</tr>
<tr>
<td>ClientCapability-Request</td>
<td>CapabilityRequest</td>
</tr>
<tr>
<td>Client-ID</td>
<td>ClientID</td>
</tr>
<tr>
<td>Code</td>
<td>Code</td>
</tr>
<tr>
<td>Completion-Flag</td>
<td>CompletionFlag</td>
</tr>
<tr>
<td>Contact-List-ID</td>
<td>ContactList</td>
</tr>
<tr>
<td>Contact-List-ID-List</td>
<td>ContactList+</td>
</tr>
<tr>
<td>Contact-List-Props</td>
<td>ContactListProperties</td>
</tr>
<tr>
<td>Content</td>
<td>ContentData</td>
</tr>
<tr>
<td>Session-Cookie</td>
<td>Not in DTD yet</td>
</tr>
<tr>
<td>Default-CList-ID</td>
<td>DefaultContactList</td>
</tr>
<tr>
<td>Default-List</td>
<td>DefaultList</td>
</tr>
<tr>
<td>Default-Attribute-List</td>
<td>DefaultAttributeList</td>
</tr>
<tr>
<td>Delivery-Method</td>
<td>DeliveryMethod</td>
</tr>
<tr>
<td>Delivery-Report-Request</td>
<td>DeliveryReport</td>
</tr>
<tr>
<td>Delivery-Time</td>
<td>DeliveryTime</td>
</tr>
<tr>
<td>Description-Text</td>
<td>Description</td>
</tr>
<tr>
<td>Digest-Schema</td>
<td>DigestSchema</td>
</tr>
<tr>
<td>Digest-Bytes</td>
<td>DigestBytes</td>
</tr>
<tr>
<td>Granted-Entity-List</td>
<td>GrantList(EntityList)</td>
</tr>
<tr>
<td>Granted-List-Inuse</td>
<td>GrantList(InUse)</td>
</tr>
<tr>
<td>Grant-Entity-List</td>
<td>GrantList(EntityList)</td>
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<td>Group-ID</td>
<td>GroupID</td>
</tr>
<tr>
<td>Group-Props</td>
<td>GroupProperties</td>
</tr>
<tr>
<td>Invite-Acceptance</td>
<td>Acceptance</td>
</tr>
<tr>
<td>Invite-Content</td>
<td>URLsList</td>
</tr>
<tr>
<td>Invite-Group</td>
<td>GroupID</td>
</tr>
<tr>
<td>Invite-ID</td>
<td>InviteID</td>
</tr>
<tr>
<td>Invite-Presence</td>
<td>AttributeList</td>
</tr>
<tr>
<td>Invite-Reason</td>
<td>InviteNote</td>
</tr>
<tr>
<td>Invite-Response</td>
<td>InviteNote</td>
</tr>
<tr>
<td>Invite-Type</td>
<td>InviteType</td>
</tr>
<tr>
<td>Join-Group</td>
<td>JoinGroup</td>
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<tr>
<td>Joined-Request</td>
<td>JoinedRequest</td>
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<tr>
<td>Joined-Users-List</td>
<td>Joined</td>
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<tr>
<td>Field</td>
<td>Value</td>
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<tr>
<td>---------------------------</td>
<td>------------------------</td>
</tr>
<tr>
<td>Keep-Alive-Time</td>
<td>KeepAliveTime</td>
</tr>
<tr>
<td>Left-Users-List</td>
<td>Left</td>
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<tr>
<td>Logo</td>
<td>Logo</td>
</tr>
<tr>
<td>Message-Count</td>
<td>MessageCount</td>
</tr>
<tr>
<td>Message-ID</td>
<td>MessageID</td>
</tr>
<tr>
<td>Message-ID-List</td>
<td>MessageID+</td>
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<tr>
<td>Message-Info</td>
<td>MessageInfo</td>
</tr>
<tr>
<td>Message-Info-List</td>
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<tr>
<td>Message-URI</td>
<td>MessageURI</td>
</tr>
<tr>
<td>Name</td>
<td>Name</td>
</tr>
<tr>
<td>Nonce</td>
<td>Nonce</td>
</tr>
<tr>
<td>Not-Available-Functions</td>
<td>Functions</td>
</tr>
<tr>
<td>Own-Props</td>
<td>OwnProperties</td>
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<tr>
<td>Own-Screen-Name</td>
<td>ScreenName</td>
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<tr>
<td>Password-String</td>
<td>Password</td>
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<tr>
<td>Presence-Attribute-List</td>
<td>PresenceSubList</td>
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<td>Presence-Value-List</td>
<td>Presence</td>
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<td>Recalled-Content</td>
<td>URLsList</td>
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<tr>
<td>Recall-Reason</td>
<td>InviteNote</td>
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<td>Recipients</td>
<td>Recipient</td>
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<td>Remove-Nick-List</td>
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<td>Remove-Users-List</td>
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<td>Requested-Capabilities</td>
<td>CapabilityList</td>
</tr>
<tr>
<td>Requested-Functions</td>
<td>Functions</td>
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<tr>
<td>Result</td>
<td>Result</td>
</tr>
<tr>
<td>Screen-Name</td>
<td>ScreenName</td>
</tr>
<tr>
<td>Screen-Names</td>
<td>ScreenName+</td>
</tr>
<tr>
<td>Search-Criteria</td>
<td>SearchCriteria</td>
</tr>
<tr>
<td>Search-Findings</td>
<td>SearchFindings</td>
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<tr>
<td>Search-ID</td>
<td>SearchID</td>
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<td>Search-Index</td>
<td>SearchIndex</td>
</tr>
<tr>
<td>Search-Limit</td>
<td>SearchLimit</td>
</tr>
<tr>
<td>Search-Pair-List</td>
<td>SearchPairList</td>
</tr>
<tr>
<td>Search-Results</td>
<td>SearchResult</td>
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<tr>
<td>Sender</td>
<td>Sender</td>
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<td>Session-Cookie</td>
<td>SessionCookie</td>
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<tr>
<td>Session-ID</td>
<td>SessionID</td>
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<td>Subscribe-Notif</td>
<td>SubscribeNotification</td>
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<tr>
<td>Subscribe-Type</td>
<td>SubscribeType</td>
</tr>
<tr>
<td>Subscription-State</td>
<td>Value</td>
</tr>
<tr>
<td>Supported-Digest-Schema</td>
<td>Digest-Schema</td>
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<td>Text</td>
<td>Description</td>
</tr>
<tr>
<td>Time-To-Live</td>
<td>TimeToLive</td>
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<tr>
<td>Transaction-ID</td>
<td>TransactionID</td>
</tr>
<tr>
<td>Unblock-Entity-List</td>
<td>BlockList(RemoveList)</td>
</tr>
<tr>
<td>Ungrant-Entity-List</td>
<td>GrantList(RemoveList)</td>
</tr>
<tr>
<td>Update-Value-List</td>
<td>PresenceValueList</td>
</tr>
<tr>
<td>URL</td>
<td>URL</td>
</tr>
<tr>
<td>User-ID</td>
<td>UserID</td>
</tr>
<tr>
<td>User-ID-List</td>
<td>UserList</td>
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<tr>
<td>User-List</td>
<td>Users</td>
</tr>
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</table>
4.2 DATA TYPES FOR XML TERMINAL ELEMENTS

<table>
<thead>
<tr>
<th>XML PCDATA</th>
<th>Acceptance</th>
</tr>
</thead>
<tbody>
<tr>
<td>Data type</td>
<td>Boolean</td>
</tr>
<tr>
<td>Format</td>
<td>Defined in section 3.3.</td>
</tr>
<tr>
<td>Description</td>
<td>Indicates acceptance.</td>
</tr>
<tr>
<td>Range</td>
<td>Defined in section 3.3.</td>
</tr>
</tbody>
</table>

Table 1. Acceptance

<table>
<thead>
<tr>
<th>XML PCDATA</th>
<th>AcceptedCharSet</th>
</tr>
</thead>
<tbody>
<tr>
<td>Data type</td>
<td>Integer</td>
</tr>
<tr>
<td>Format</td>
<td>MIBenum number as defined in [IANA].</td>
</tr>
<tr>
<td>Description</td>
<td>Character set that the client supports.</td>
</tr>
<tr>
<td>Range</td>
<td>Any of the valid character sets.</td>
</tr>
</tbody>
</table>

Table 2. AcceptedCharSet

<table>
<thead>
<tr>
<th>XML PCDATA</th>
<th>AcceptedContentLength</th>
</tr>
</thead>
<tbody>
<tr>
<td>Data type</td>
<td>Integer</td>
</tr>
<tr>
<td>Format</td>
<td>Defined in section 3.2.</td>
</tr>
<tr>
<td>Description</td>
<td>The character (byte) count of the content inside a message.</td>
</tr>
<tr>
<td>Range</td>
<td>Defined in section 3.2.</td>
</tr>
</tbody>
</table>

Table 3. AcceptedContentLength

<table>
<thead>
<tr>
<th>XML PCDATA</th>
<th>AcceptedContentType</th>
</tr>
</thead>
<tbody>
<tr>
<td>Data type</td>
<td>String</td>
</tr>
<tr>
<td>Format</td>
<td>MIME type as defined in [RFC2045] and [RFC2046].</td>
</tr>
<tr>
<td>Description</td>
<td>MIME type that the client supports.</td>
</tr>
<tr>
<td>Range</td>
<td>All MIME-types</td>
</tr>
</tbody>
</table>

Table 4. AcceptedContentType

<table>
<thead>
<tr>
<th>XML PCDATA</th>
<th>AcceptedTransferEncoding</th>
</tr>
</thead>
<tbody>
<tr>
<td>Data type</td>
<td>String</td>
</tr>
<tr>
<td>Format</td>
<td>Text string</td>
</tr>
<tr>
<td>Description</td>
<td>Transfer encoding scheme that the client supports. Currently there is BASE64 only.</td>
</tr>
<tr>
<td>Range</td>
<td>BASE64</td>
</tr>
</tbody>
</table>

Table 5. AcceptedTransferEncoding
### AllFunctionsRequest

<table>
<thead>
<tr>
<th>Data type</th>
<th>Boolean</th>
</tr>
</thead>
<tbody>
<tr>
<td>Format</td>
<td>Defined in section 3.3.</td>
</tr>
<tr>
<td>Description</td>
<td>Indicates if the list of all functions is requested.</td>
</tr>
<tr>
<td>Range</td>
<td>Defined in section 3.3.</td>
</tr>
</tbody>
</table>

**Table 6. AllFunctionsRequest**

### AnyContent

<table>
<thead>
<tr>
<th>Data type</th>
<th>Boolean</th>
</tr>
</thead>
<tbody>
<tr>
<td>Format</td>
<td>Defined in section 3.3.</td>
</tr>
<tr>
<td>Description</td>
<td>Indicates if the client accepts all types of contents.</td>
</tr>
<tr>
<td>Range</td>
<td>Defined in section 3.3.</td>
</tr>
</tbody>
</table>

**Table 7. AnyContent**

### CapabilityRequest

<table>
<thead>
<tr>
<th>Data type</th>
<th>Boolean</th>
</tr>
</thead>
<tbody>
<tr>
<td>Format</td>
<td>Defined in section 3.3.</td>
</tr>
<tr>
<td>Description</td>
<td>Indicates if client capability negotiation is needed.</td>
</tr>
<tr>
<td>Range</td>
<td>Defined in section 3.3.</td>
</tr>
</tbody>
</table>

**Table 8. CapabilityRequest**

### ClientType

<table>
<thead>
<tr>
<th>Data type</th>
<th>Enumerated string</th>
</tr>
</thead>
<tbody>
<tr>
<td>Format</td>
<td>Defined in [WV-PA], Table 7.</td>
</tr>
<tr>
<td>Description</td>
<td>The type of the client.</td>
</tr>
<tr>
<td>Range</td>
<td>Defined in [WV-PA], Table 7.</td>
</tr>
</tbody>
</table>

**Table 9. ClientType**

### Code

<table>
<thead>
<tr>
<th>Data type</th>
<th>Integer</th>
</tr>
</thead>
<tbody>
<tr>
<td>Format</td>
<td>Defined in section 3.2.</td>
</tr>
<tr>
<td>Description</td>
<td>Status code.</td>
</tr>
<tr>
<td>Range</td>
<td>Defined in [WV-CSP].</td>
</tr>
</tbody>
</table>

**Table 10. Code**

### CompletionFlag

<table>
<thead>
<tr>
<th>Data type</th>
<th>Boolean</th>
</tr>
</thead>
<tbody>
<tr>
<td>Format</td>
<td>Defined in section 3.3.</td>
</tr>
<tr>
<td>Description</td>
<td>Indicates whether the client can expect new results. 'F' if server may provide new results (still searching), 'T' if new results will not be provided.</td>
</tr>
<tr>
<td>Range</td>
<td>Defined in section 3.3.</td>
</tr>
</tbody>
</table>

**Table 11. CompletionFlag**
### ContactList

<table>
<thead>
<tr>
<th>Data type</th>
<th>String</th>
</tr>
</thead>
<tbody>
<tr>
<td>Format</td>
<td>Defined in [WV-CSP]. The contact-list-ID is not case sensitive.</td>
</tr>
<tr>
<td>Description</td>
<td>Unique identifier of a user’s contact list.</td>
</tr>
<tr>
<td>Range</td>
<td>Max 100 characters.</td>
</tr>
</tbody>
</table>

**Table 12. ContactList**

### ContentData

<table>
<thead>
<tr>
<th>Data type</th>
<th>String or Binary data.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Format</td>
<td>See Table 14. ContentEncoding.</td>
</tr>
<tr>
<td>Description</td>
<td>The actual content.</td>
</tr>
</tbody>
</table>

**Table 13. ContentData**

### ContentEncoding

<table>
<thead>
<tr>
<th>Data type</th>
<th>String</th>
</tr>
</thead>
<tbody>
<tr>
<td>Format</td>
<td>Text string</td>
</tr>
<tr>
<td>Description</td>
<td>Indicates the transfer encoding used on the content.</td>
</tr>
<tr>
<td>Range</td>
<td>None</td>
</tr>
</tbody>
</table>

**Table 14. ContentEncoding**

### ContentSize

<table>
<thead>
<tr>
<th>Data type</th>
<th>Integer</th>
</tr>
</thead>
<tbody>
<tr>
<td>Format</td>
<td>Defined in section 3.2.</td>
</tr>
<tr>
<td>Description</td>
<td>Indicates the size of the content. If the content is binary data, it indicates the size after the BASE64 encoding.</td>
</tr>
<tr>
<td>Range</td>
<td>Defined in section 3.2.</td>
</tr>
</tbody>
</table>

**Table 15. ContentSize**

### ContentType

<table>
<thead>
<tr>
<th>Data type</th>
<th>String</th>
</tr>
</thead>
<tbody>
<tr>
<td>Format</td>
<td>MIME-Type as defined in [RFC2045] and [RFC2046].</td>
</tr>
<tr>
<td>Description</td>
<td>Indicates the MIME-type of the content.</td>
</tr>
<tr>
<td>Range</td>
<td>All MIME-types</td>
</tr>
</tbody>
</table>

**Table 16. ContentType**

### DateTime

<table>
<thead>
<tr>
<th>Data type</th>
<th>Date and Time</th>
</tr>
</thead>
<tbody>
<tr>
<td>Format</td>
<td>Defined in section 3.5.</td>
</tr>
<tr>
<td>Description</td>
<td>Date and time.</td>
</tr>
<tr>
<td>Range</td>
<td>Defined in section 3.5.</td>
</tr>
</tbody>
</table>

**Table 17. DateTime**

### DefaultContactList

<table>
<thead>
<tr>
<th>Data type</th>
<th>String</th>
</tr>
</thead>
<tbody>
<tr>
<td>Format</td>
<td>See Table 12. ContactList.</td>
</tr>
<tr>
<td>Description</td>
<td>Identifies the default contact list.</td>
</tr>
<tr>
<td>Range</td>
<td>See Table 12. ContactList.</td>
</tr>
</tbody>
</table>

**Table 18. DefaultContactList**
<table>
<thead>
<tr>
<th>XML PCDATA</th>
<th>DefaultLanguage</th>
</tr>
</thead>
<tbody>
<tr>
<td>Data type</td>
<td>Enumerated string</td>
</tr>
<tr>
<td>Format</td>
<td>Three-letter language code as specified in [ISO639-2].</td>
</tr>
<tr>
<td>Description</td>
<td>The current language setting in the client. The language code is specifying that the client prefers to receive text information in the indicated language from the server. The information is optional – it is used to override the user profile/presence info language preference.</td>
</tr>
<tr>
<td>Range</td>
<td>Any of the valid three-letter language codes.</td>
</tr>
</tbody>
</table>

Table 19. DefaultLanguage

<table>
<thead>
<tr>
<th>XML PCDATA</th>
<th>DefaultList</th>
</tr>
</thead>
<tbody>
<tr>
<td>Data type</td>
<td>Boolean</td>
</tr>
<tr>
<td>Format</td>
<td>Defined in section 3.3.</td>
</tr>
<tr>
<td>Description</td>
<td>Indicates if the default attribute list should be used in transaction.</td>
</tr>
<tr>
<td>Range</td>
<td>Defined in section 3.3.</td>
</tr>
</tbody>
</table>

Table 20. DefaultList

<table>
<thead>
<tr>
<th>XML PCDATA</th>
<th>DeliveryMethod</th>
</tr>
</thead>
<tbody>
<tr>
<td>Data type</td>
<td>Enumerated character</td>
</tr>
<tr>
<td>Format</td>
<td>Text character</td>
</tr>
<tr>
<td>Description</td>
<td>The delivery method setting. Notify/Get or Push.</td>
</tr>
<tr>
<td>Range</td>
<td>N</td>
</tr>
</tbody>
</table>

Table 21. DeliveryMethod

<table>
<thead>
<tr>
<th>XML PCDATA</th>
<th>DeliveryReport</th>
</tr>
</thead>
<tbody>
<tr>
<td>Data type</td>
<td>Boolean</td>
</tr>
<tr>
<td>Format</td>
<td>Defined in section 3.3.</td>
</tr>
<tr>
<td>Description</td>
<td>Indicates if delivery method is requested or not.</td>
</tr>
<tr>
<td>Range</td>
<td>Defined in section 3.3.</td>
</tr>
</tbody>
</table>

Table 22. DeliveryReport

<table>
<thead>
<tr>
<th>XML PCDATA</th>
<th>DeliveryTime</th>
</tr>
</thead>
<tbody>
<tr>
<td>Data type</td>
<td>DateTime</td>
</tr>
<tr>
<td>Format</td>
<td>Defined in section 3.5</td>
</tr>
<tr>
<td>Description</td>
<td>The date and time of delivery of a message</td>
</tr>
<tr>
<td>Range</td>
<td>Defined in section 3.5</td>
</tr>
</tbody>
</table>

Table 23. DeliveryTime

<table>
<thead>
<tr>
<th>XML PCDATA</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Data type</td>
<td>String</td>
</tr>
<tr>
<td>Format</td>
<td>Text string</td>
</tr>
<tr>
<td>Description</td>
<td>Short descriptive text.</td>
</tr>
<tr>
<td>Range</td>
<td>Max 200 characters</td>
</tr>
</tbody>
</table>

Table 24. Description
### Table 25. DigestBytes

<table>
<thead>
<tr>
<th>Data type</th>
<th>String</th>
</tr>
</thead>
<tbody>
<tr>
<td>Format</td>
<td>BASE64 encoded</td>
</tr>
<tr>
<td>Description</td>
<td>Digest bytes to use with DigestSchema.</td>
</tr>
<tr>
<td>Range</td>
<td>Max 200 characters</td>
</tr>
</tbody>
</table>

### Table 26. DigestSchema

<table>
<thead>
<tr>
<th>Data type</th>
<th>Enumerated string</th>
</tr>
</thead>
<tbody>
<tr>
<td>Format</td>
<td>Text string</td>
</tr>
<tr>
<td>Description</td>
<td>Digest schema used in hash.</td>
</tr>
<tr>
<td>Range</td>
<td>PWD</td>
</tr>
</tbody>
</table>

### Table 27. GroupID

<table>
<thead>
<tr>
<th>Data type</th>
<th>String</th>
</tr>
</thead>
<tbody>
<tr>
<td>Format</td>
<td>Defined in [WV-CSP]. The group-ID is not case sensitive.</td>
</tr>
<tr>
<td>Description</td>
<td>Unique identifier of a group.</td>
</tr>
<tr>
<td>Range</td>
<td>Max 50 characters</td>
</tr>
</tbody>
</table>

### Table 28. InitialDeliveryMethod

<table>
<thead>
<tr>
<th>Data type</th>
<th>Refer to Table 21. DeliveryMethod.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Format</td>
<td>Refer to Table 21. DeliveryMethod.</td>
</tr>
<tr>
<td>Description</td>
<td>Refer to Table 21. DeliveryMethod.</td>
</tr>
<tr>
<td>Range</td>
<td>Refer to Table 21. DeliveryMethod.</td>
</tr>
</tbody>
</table>

### Table 29. InUse

<table>
<thead>
<tr>
<th>Data type</th>
<th>Boolean</th>
</tr>
</thead>
<tbody>
<tr>
<td>Format</td>
<td>Defined in section 3.3.</td>
</tr>
<tr>
<td>Description</td>
<td>Indicates if the requested functionality is in use or not.</td>
</tr>
<tr>
<td>Range</td>
<td>Defined in section 3.3.</td>
</tr>
</tbody>
</table>

### Table 30. InviteID

<table>
<thead>
<tr>
<th>Data type</th>
<th>String</th>
</tr>
</thead>
<tbody>
<tr>
<td>Format</td>
<td>Text string. The invite-ID is case sensitive.</td>
</tr>
<tr>
<td>Description</td>
<td>Identifies an invitation so that it may be cancelled later on.</td>
</tr>
<tr>
<td>Range</td>
<td>Unique in the scope of the server domain. Max 100 character.</td>
</tr>
</tbody>
</table>

### Table 31. InviteNote

<table>
<thead>
<tr>
<th>Data type</th>
<th>String</th>
</tr>
</thead>
<tbody>
<tr>
<td>Format</td>
<td>Text string</td>
</tr>
<tr>
<td>Description</td>
<td>Short descriptive text for invitation.</td>
</tr>
<tr>
<td>Range</td>
<td>Max 400 characters</td>
</tr>
<tr>
<td>Data type</td>
<td>Enumerated string</td>
</tr>
<tr>
<td>------------</td>
<td>--------------------------------------------------------</td>
</tr>
<tr>
<td>Format</td>
<td>Text string</td>
</tr>
<tr>
<td>Description</td>
<td>Indicates the type of the invitation.</td>
</tr>
<tr>
<td>Range</td>
<td>GR</td>
</tr>
</tbody>
</table>

Table 32. InviteType

<table>
<thead>
<tr>
<th>Data type</th>
<th>Boolean</th>
</tr>
</thead>
<tbody>
<tr>
<td>Format</td>
<td>Defined in section 3.3.</td>
</tr>
<tr>
<td>Description</td>
<td>Indicates that the newly created group is joined (or not) at creation time.</td>
</tr>
<tr>
<td>Range</td>
<td>Defined in section 3.3.</td>
</tr>
</tbody>
</table>

Table 33. JoinGroup

<table>
<thead>
<tr>
<th>Data type</th>
<th>Boolean</th>
</tr>
</thead>
<tbody>
<tr>
<td>Format</td>
<td>Defined in section 3.3.</td>
</tr>
<tr>
<td>Description</td>
<td>Indicates if the list of currently joined group members is requested.</td>
</tr>
<tr>
<td>Range</td>
<td>Defined in section 3.3.</td>
</tr>
</tbody>
</table>

Table 34. JoinedRequest

<table>
<thead>
<tr>
<th>Data type</th>
<th>Integer</th>
</tr>
</thead>
<tbody>
<tr>
<td>Format</td>
<td>Defined in section 3.2.</td>
</tr>
<tr>
<td>Description</td>
<td>Indicates for how many seconds should the session be kept alive. (And how often should the KeepAlive transaction occur if no other transactions are done in the meantime.)</td>
</tr>
<tr>
<td>Range</td>
<td>Defined in section 3.2.</td>
</tr>
</tbody>
</table>

Table 35. KeepAliveTime

<table>
<thead>
<tr>
<th>Data type</th>
<th>Integer</th>
</tr>
</thead>
<tbody>
<tr>
<td>Format</td>
<td>Defined in section 3.2.</td>
</tr>
<tr>
<td>Description</td>
<td>Indicates the number of messages.</td>
</tr>
<tr>
<td>Range</td>
<td>Defined in section 3.2.</td>
</tr>
</tbody>
</table>

Table 36. MessageCount

<table>
<thead>
<tr>
<th>Data type</th>
<th>String</th>
</tr>
</thead>
<tbody>
<tr>
<td>Format</td>
<td>Text string. The message-ID is case sensitive.</td>
</tr>
<tr>
<td>Description</td>
<td>Identifies an instant message.</td>
</tr>
<tr>
<td>Range</td>
<td>Max 50 characters</td>
</tr>
</tbody>
</table>

Table 37. MessageID
### MessageURI

<table>
<thead>
<tr>
<th>XML PCDATA</th>
<th>MessageURI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Data type</td>
<td>String</td>
</tr>
<tr>
<td>Format</td>
<td>URI</td>
</tr>
<tr>
<td>Description</td>
<td>See [RFC2396].</td>
</tr>
<tr>
<td>Range</td>
<td>Max 100 characters</td>
</tr>
</tbody>
</table>

**Table 38. MessageURI**

### MSISDN

<table>
<thead>
<tr>
<th>XML PCDATA</th>
<th>MSISDN</th>
</tr>
</thead>
<tbody>
<tr>
<td>Data type</td>
<td>String</td>
</tr>
<tr>
<td>Format</td>
<td>International mobile number</td>
</tr>
<tr>
<td>Description</td>
<td>Defined in [E.164].</td>
</tr>
<tr>
<td>Range</td>
<td>As defined in [E.164].</td>
</tr>
</tbody>
</table>

**Table 39. MSISDN**

### MultiTrans

<table>
<thead>
<tr>
<th>XML PCDATA</th>
<th>MultiTrans</th>
</tr>
</thead>
<tbody>
<tr>
<td>Data type</td>
<td>Integer</td>
</tr>
<tr>
<td>Format</td>
<td>Defined in section 3.2.</td>
</tr>
<tr>
<td>Description</td>
<td>Indicates the maximum number of primitives that the client can handle within the same transport message, as well as the maximum number of open transactions from both client and server side at any given time.</td>
</tr>
<tr>
<td>Range</td>
<td>The value must be higher than zero.</td>
</tr>
</tbody>
</table>

**Table 40. MultiTrans**

### Name

<table>
<thead>
<tr>
<th>XML PCDATA</th>
<th>Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>Data type</td>
<td>String</td>
</tr>
<tr>
<td>Format</td>
<td>Text string. Case sensitive.</td>
</tr>
<tr>
<td>Description</td>
<td>Name of an attribute.</td>
</tr>
<tr>
<td>Range</td>
<td>Max 50 characters</td>
</tr>
</tbody>
</table>

**Table 41. Name**

### Nonce

<table>
<thead>
<tr>
<th>XML PCDATA</th>
<th>Nonce</th>
</tr>
</thead>
<tbody>
<tr>
<td>Data type</td>
<td>String</td>
</tr>
<tr>
<td>Format</td>
<td>Text string. Case sensitive.</td>
</tr>
<tr>
<td>Description</td>
<td>Random string for password digest.</td>
</tr>
<tr>
<td>Range</td>
<td>Max 200 characters</td>
</tr>
</tbody>
</table>

**Table 42. Nonce**

### ParserSize

<table>
<thead>
<tr>
<th>XML PCDATA</th>
<th>ParserSize</th>
</tr>
</thead>
<tbody>
<tr>
<td>Data type</td>
<td>Integer</td>
</tr>
<tr>
<td>Format</td>
<td>Defined in section 3.2.</td>
</tr>
<tr>
<td>Description</td>
<td>Indicates the maximum character (byte) count of XML message size that the parser can handle.</td>
</tr>
<tr>
<td>Range</td>
<td>Defined in section 3.2.</td>
</tr>
</tbody>
</table>

**Table 43. ParserSize**
### Table 44. Password
<table>
<thead>
<tr>
<th>XML PCDATA</th>
<th>Password</th>
</tr>
</thead>
<tbody>
<tr>
<td>Data type</td>
<td>String</td>
</tr>
<tr>
<td>Format</td>
<td>Text string</td>
</tr>
<tr>
<td>Description</td>
<td>The password corresponding to the password digest.</td>
</tr>
<tr>
<td>Range</td>
<td>Max 50 characters</td>
</tr>
</tbody>
</table>

### Table 45. Poll
<table>
<thead>
<tr>
<th>XML PCDATA</th>
<th>Poll</th>
</tr>
</thead>
<tbody>
<tr>
<td>Data type</td>
<td>Boolean</td>
</tr>
<tr>
<td>Format</td>
<td>Defined in section 3.3.</td>
</tr>
<tr>
<td>Description</td>
<td>Indicates whether if the server has something to send or not.</td>
</tr>
<tr>
<td>Range</td>
<td>Defined in section 3.3.</td>
</tr>
</tbody>
</table>

### Table 46. PresenceSubList
<table>
<thead>
<tr>
<th>XML PCDATA</th>
<th>PresenceSubList</th>
</tr>
</thead>
<tbody>
<tr>
<td>Data type</td>
<td>String</td>
</tr>
<tr>
<td>Format</td>
<td>As defined in the referred namespace.</td>
</tr>
<tr>
<td>Description</td>
<td>Presence attribute list with or without values. This element is used to give reference to the namespace (DTD) to be used under this specific tag.</td>
</tr>
<tr>
<td>Range</td>
<td>The namespace attribute points to a valid Wireless Village presence namespace.</td>
</tr>
</tbody>
</table>

### Table 47. ResponseNote
<table>
<thead>
<tr>
<th>XML PCDATA</th>
<th>ResponseNote</th>
</tr>
</thead>
<tbody>
<tr>
<td>Data type</td>
<td>String</td>
</tr>
<tr>
<td>Format</td>
<td>Text string</td>
</tr>
<tr>
<td>Description</td>
<td>Short descriptive text for invitation response.</td>
</tr>
<tr>
<td>Range</td>
<td>Max 400 characters</td>
</tr>
</tbody>
</table>

### Table 48. SearchElement
<table>
<thead>
<tr>
<th>XML PCDATA</th>
<th>SearchElement</th>
</tr>
</thead>
<tbody>
<tr>
<td>Data type</td>
<td>Enumerated string</td>
</tr>
<tr>
<td>Format</td>
<td>Text string</td>
</tr>
<tr>
<td>Description</td>
<td>Indicates what should be searched for SearchString.</td>
</tr>
<tr>
<td>Range</td>
<td>USER_ID</td>
</tr>
</tbody>
</table>

### Table 49. SearchFindings
<table>
<thead>
<tr>
<th>XML PCDATA</th>
<th>SearchFindings</th>
</tr>
</thead>
<tbody>
<tr>
<td>Data type</td>
<td>Integer</td>
</tr>
<tr>
<td>Format</td>
<td>Defined in section 3.2.</td>
</tr>
<tr>
<td>Description</td>
<td>Indicates the number of matches found in a search request.</td>
</tr>
<tr>
<td>Range</td>
<td>Defined in section 3.2.</td>
</tr>
<tr>
<td>XML PCDATA</td>
<td>SearchID</td>
</tr>
<tr>
<td>------------</td>
<td>----------</td>
</tr>
<tr>
<td>Data type</td>
<td>Integer</td>
</tr>
<tr>
<td>Format</td>
<td>Defined in section 3.2.</td>
</tr>
<tr>
<td>Description</td>
<td>Identifies a search request, so that it may be continued later on.</td>
</tr>
<tr>
<td>Range</td>
<td>Defined in section 3.2.</td>
</tr>
</tbody>
</table>

**Table 50. SearchID**

<table>
<thead>
<tr>
<th>XML PCDATA</th>
<th>SearchIndex</th>
</tr>
</thead>
<tbody>
<tr>
<td>Data type</td>
<td>Integer</td>
</tr>
<tr>
<td>Format</td>
<td>Defined in section 3.2.</td>
</tr>
<tr>
<td>Description</td>
<td>Indicates from which point should the search continue.</td>
</tr>
<tr>
<td>Range</td>
<td>Defined in section 3.2.</td>
</tr>
</tbody>
</table>

**Table 51. SearchIndex**

<table>
<thead>
<tr>
<th>XML PCDATA</th>
<th>SearchLimit</th>
</tr>
</thead>
<tbody>
<tr>
<td>Data type</td>
<td>Integer</td>
</tr>
<tr>
<td>Format</td>
<td>Defined in section 3.2.</td>
</tr>
<tr>
<td>Description</td>
<td>Indicates the maximum number of result to be retrieved at a time.</td>
</tr>
<tr>
<td>Range</td>
<td>Defined in section 3.2.</td>
</tr>
</tbody>
</table>

**Table 52. SearchLimit**

<table>
<thead>
<tr>
<th>XML PCDATA</th>
<th>searchString</th>
</tr>
</thead>
<tbody>
<tr>
<td>Data type</td>
<td>String</td>
</tr>
<tr>
<td>Format</td>
<td>Text string</td>
</tr>
<tr>
<td>Description</td>
<td>SearchElement is searches for this (sub)string.</td>
</tr>
<tr>
<td>Range</td>
<td>Max 100 characters.</td>
</tr>
</tbody>
</table>

**Table 53. searchString**

<table>
<thead>
<tr>
<th>XML PCDATA</th>
<th>ServerPollMin</th>
</tr>
</thead>
<tbody>
<tr>
<td>Data type</td>
<td>Integer</td>
</tr>
<tr>
<td>Format</td>
<td>Defined in section 3.2.</td>
</tr>
<tr>
<td>Description</td>
<td>Indicates the minimum time period that must pass between two subsequent PollingRequest transactions. The value indicates the time in seconds.</td>
</tr>
<tr>
<td>Range</td>
<td>The value must be higher than zero.</td>
</tr>
</tbody>
</table>

**Table 54. ServerPollMin**

<table>
<thead>
<tr>
<th>XML PCDATA</th>
<th>SessionCookie</th>
</tr>
</thead>
<tbody>
<tr>
<td>Data type</td>
<td>String</td>
</tr>
<tr>
<td>Format</td>
<td>Text string</td>
</tr>
<tr>
<td>Description</td>
<td>A client-generated cookie provided during login phase.</td>
</tr>
<tr>
<td>Range</td>
<td>Max 50 characters.</td>
</tr>
</tbody>
</table>

**Table 55. SessionCookie**
XML PCDATA

**SessionID**

<table>
<thead>
<tr>
<th>Data type</th>
<th>String</th>
</tr>
</thead>
<tbody>
<tr>
<td>Format</td>
<td>Text string that is unique in the scope of the user. The session-ID is case sensitive.</td>
</tr>
<tr>
<td>Description</td>
<td>Identifies a session.</td>
</tr>
<tr>
<td>Range</td>
<td>Max 50 characters.</td>
</tr>
</tbody>
</table>

**Table 56. SessionID**

XML PCDATA

**SessionType**

<table>
<thead>
<tr>
<th>Data type</th>
<th>Enumerated string</th>
</tr>
</thead>
<tbody>
<tr>
<td>Format</td>
<td>Text string</td>
</tr>
<tr>
<td>Description</td>
<td>Describes the nature of the session. Inband if a there is an open session (and session-ID can be provided), otherwise Outband.</td>
</tr>
<tr>
<td>Range</td>
<td>Inband</td>
</tr>
</tbody>
</table>

**Table 57. SessionType**

XML PCDATA

**SName**

<table>
<thead>
<tr>
<th>Data type</th>
<th>String</th>
</tr>
</thead>
<tbody>
<tr>
<td>Format</td>
<td>Text string. Not case sensitive.</td>
</tr>
<tr>
<td>Description</td>
<td>The “name” part of the screen name.</td>
</tr>
<tr>
<td>Range</td>
<td>Max 50 characters.</td>
</tr>
</tbody>
</table>

**Table 58. SName**

XML PCDATA

**SubscribeNotification**

<table>
<thead>
<tr>
<th>Data type</th>
<th>Boolean</th>
</tr>
</thead>
<tbody>
<tr>
<td>Format</td>
<td>Defined in section 3.3.</td>
</tr>
<tr>
<td>Description</td>
<td>Indicates that the particular group’s group change notification is subscribed or not (turned on or off).</td>
</tr>
<tr>
<td>Range</td>
<td>Defined in section 3.3</td>
</tr>
</tbody>
</table>

**Table 59. SubscribeNotification**

XML PCDATA

**SubscribeType**

<table>
<thead>
<tr>
<th>Data type</th>
<th>String</th>
</tr>
</thead>
<tbody>
<tr>
<td>Format</td>
<td>Text character</td>
</tr>
<tr>
<td>Description</td>
<td>The type of the subscription request. It is Get, Set, or Unset.</td>
</tr>
<tr>
<td>Range</td>
<td>G</td>
</tr>
</tbody>
</table>

**Table 60. SubscribeType**

XML PCDATA

**SupportedBearer**

<table>
<thead>
<tr>
<th>Data type</th>
<th>Enumerated string</th>
</tr>
</thead>
<tbody>
<tr>
<td>Format</td>
<td>Text string</td>
</tr>
<tr>
<td>Description</td>
<td>Bearer that the client supports.</td>
</tr>
<tr>
<td>Range</td>
<td>SMS</td>
</tr>
</tbody>
</table>

**Table 61. SupportedBearer**
<table>
<thead>
<tr>
<th>XML PCDATA</th>
<th>SupportedCIRMethod</th>
</tr>
</thead>
<tbody>
<tr>
<td>Data type</td>
<td>Enumerated string</td>
</tr>
<tr>
<td>Format</td>
<td>Text string</td>
</tr>
<tr>
<td>Description</td>
<td>Communication Initiation Request method that the client supports.</td>
</tr>
</tbody>
</table>
| Range           | WAPSMS – for WAP 1.2/2.0 WSP unit push over SMS  
|                 | WAPUDP – for WAP 1.2/2.0 WSP unit push over UDP/IP  
|                 | SUDP – for Standalone UDP/IP  
|                 | STCP – for Standalone TCP/IP |

Table 62. SupportedCIRMethod

<table>
<thead>
<tr>
<th>XML PCDATA</th>
<th>TCPAddress</th>
</tr>
</thead>
<tbody>
<tr>
<td>Data type</td>
<td>String</td>
</tr>
<tr>
<td>Format</td>
<td>Defined in section 3.2.</td>
</tr>
<tr>
<td>Description</td>
<td>The client may indicate that it wants to use a different IP address for standalone TCP/IP CIR method.</td>
</tr>
<tr>
<td>Range</td>
<td>Defined in section 3.2.</td>
</tr>
</tbody>
</table>

Table 63. TCPAddress

<table>
<thead>
<tr>
<th>XML PCDATA</th>
<th>TCPPort</th>
</tr>
</thead>
<tbody>
<tr>
<td>Data type</td>
<td>Integer</td>
</tr>
<tr>
<td>Format</td>
<td>Defined in section 3.2.</td>
</tr>
<tr>
<td>Description</td>
<td>The client may indicate that it supports other than the default port for the standalone TCP/IP CIR method.</td>
</tr>
<tr>
<td>Range</td>
<td>Defined in section 3.2.</td>
</tr>
</tbody>
</table>

Table 64. TCPPort

<table>
<thead>
<tr>
<th>XML PCDATA</th>
<th>TimeToLive</th>
</tr>
</thead>
<tbody>
<tr>
<td>Data type</td>
<td>Integer</td>
</tr>
<tr>
<td>Format</td>
<td>Defined in section 3.2.</td>
</tr>
<tr>
<td>Description</td>
<td>Indicates the interval in which the server expects the KeepAliveRequest message in order to keep a session alive. (And how often should the KeepAlive transaction occur if no other transactions are done in the meantime.) Indicated in seconds.</td>
</tr>
<tr>
<td>Range</td>
<td>Defined in section 3.2.</td>
</tr>
</tbody>
</table>

Table 65. TimeToLive

<table>
<thead>
<tr>
<th>XML PCDATA</th>
<th>TransactionContent</th>
</tr>
</thead>
<tbody>
<tr>
<td>Data type</td>
<td>String</td>
</tr>
<tr>
<td>Format</td>
<td>As defined in the referred namespace.</td>
</tr>
<tr>
<td>Description</td>
<td>The transaction itself. This element is used to give reference to the namespace (DTD) to be used under this specific tag.</td>
</tr>
<tr>
<td>Range</td>
<td>The namespace attribute points to a valid Wireless Village transaction namespace</td>
</tr>
</tbody>
</table>

Table 66. TransactionContent
### Table 67. TransactionID

<table>
<thead>
<tr>
<th>Data type</th>
<th>String</th>
</tr>
</thead>
<tbody>
<tr>
<td>Format</td>
<td>Text string that is unique for each transaction in the scope of the session. The transaction-ID is case sensitive.</td>
</tr>
<tr>
<td>Description</td>
<td>Identifies a transaction. The initiating party assigns this ID.</td>
</tr>
<tr>
<td>Range</td>
<td>Max 50 characters</td>
</tr>
</tbody>
</table>

### Table 68. TransactionMode

<table>
<thead>
<tr>
<th>Data type</th>
<th>Enumerated string</th>
</tr>
</thead>
<tbody>
<tr>
<td>Format</td>
<td>Text string</td>
</tr>
<tr>
<td>Description</td>
<td>Describes the nature of the transaction. Request if a new transaction is started, otherwise Response.</td>
</tr>
<tr>
<td>Range</td>
<td>Request</td>
</tr>
</tbody>
</table>

### Table 69. UDPPort

<table>
<thead>
<tr>
<th>Data type</th>
<th>Integer</th>
</tr>
</thead>
<tbody>
<tr>
<td>Format</td>
<td>Defined in section 3.2.</td>
</tr>
<tr>
<td>Description</td>
<td>The client may indicate that it supports other than the default port for the standalone UDP/IP CIR method.</td>
</tr>
<tr>
<td>Range</td>
<td>Defined in section 3.2.</td>
</tr>
</tbody>
</table>

### Table 70. URL

<table>
<thead>
<tr>
<th>Data type</th>
<th>String</th>
</tr>
</thead>
<tbody>
<tr>
<td>Format</td>
<td>URL</td>
</tr>
<tr>
<td>Description</td>
<td>See [RFC2396].</td>
</tr>
<tr>
<td>Range</td>
<td>Max 200 characters</td>
</tr>
</tbody>
</table>

### Table 71. UserID

<table>
<thead>
<tr>
<th>Data type</th>
<th>String</th>
</tr>
</thead>
<tbody>
<tr>
<td>Format</td>
<td>Defined in [WV-CSP]. The user-ID is not case sensitive.</td>
</tr>
<tr>
<td>Description</td>
<td>Unique identifier of a single user.</td>
</tr>
<tr>
<td>Range</td>
<td>Max 50 characters</td>
</tr>
</tbody>
</table>

### Table 72. Validity

<table>
<thead>
<tr>
<th>Data type</th>
<th>Integer</th>
</tr>
</thead>
<tbody>
<tr>
<td>Format</td>
<td>Defined in section 3.2.</td>
</tr>
<tr>
<td>Description</td>
<td>Indicates the interval in seconds during which the message is valid.</td>
</tr>
<tr>
<td>Range</td>
<td>Defined in section 3.2.</td>
</tr>
<tr>
<td>XML PCDATA</td>
<td>Value</td>
</tr>
<tr>
<td>--------------</td>
<td>--------------------------------------------</td>
</tr>
<tr>
<td>Data type</td>
<td>String</td>
</tr>
<tr>
<td>Format</td>
<td>Text string</td>
</tr>
<tr>
<td>Description</td>
<td>Used for multiple purposes, see [WV-CSP] for further information about the particular case.</td>
</tr>
<tr>
<td>Range</td>
<td>Max 50 characters</td>
</tr>
</tbody>
</table>

*Table 73. Value*