



CSP Data types

V1.0

WV Internal Tracking Number: WV-006

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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
- [[IANA](#)] Character sets registered at IANA (MIBenum assignments)
- [[ISO639-2](#)] ISO 639-2: Codes for the Representation of Names of Languages, 1998.
- [[ISO8601](#)] ISO 8601 international standard (second edition).
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”.
- [[RFC2046](#)] Borenstein N., and N. Freed, "MIME (Multipurpose Internet Mail Extensions) Part Two: Media Types", November 1996.
- [[RFC2396](#)] Uniform Resource Identifiers (URI): Generic Syntax
- [WV-CSP] Wireless Village – Client-Server Protocol, Session And Transactions specification
- [WV-CSP-SCR] Wireless Village – Client-Server protocol, Static Conformance Requirements.
- [WV-PA] Wireless Village – Presence Attributes specification.

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.

As for the 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 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. The 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 means a derived type 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 a definition of an information element as a structure of basic types. The structure itself is defined as the XML DTD Element.

4. DATA TYPE ASSIGNMENTS FOR XML ELEMENTS

4.1 XML Element Assignment for CSP Information Elements

| Information Element | XML Element |
|----------------------------|-----------------------|
| Acceptance | Acceptance |
| Accepted-Content-Length | ContentSize |
| Add-Nick-List | AddNickList |
| Add-Users-List | AddList |
| Agreed-Capabilities | CapabilityList |
| All-Functions | AllFunctions |
| All-Functions-Request | AllFunctionsRequest |
| Attribute-Association-List | AttributeList+ |
| Blocked-Entity-List | BlockList(EntityList) |
| Blocked-List-Inuse | BlockList(InUse) |
| Block-Entity-List | BlockList(EntityList) |
| ClientCapability-Request | CapabilityRequest |
| Client-ID | ClientID |
| Code | Code |
| Contact-List-ID | ContactList |
| Contact-List-ID-List | ContactList+ |
| Contact-List-Props | ContactListProperties |
| Content | ContentData |
| Session-Cookie | Not in DTD yet |
| Default-CList-ID | DefaultContactList |
| Default-List | DefaultList |
| Default-Attribute-List | DefaultAttributeList |
| Delivery-Method | DeliveryMethod |
| Delivery-Report-Request | DeliveryReport |
| Description-Text | Description |
| Digest-Schema | DigestSchema |
| Digest-Bytes | DigestBytes |
| Granted-Entity-List | GrantList(EntityList) |
| Granted-List-Inuse | GrantList(InUse) |
| Grant-Entity-List | GrantList(EntityList) |
| Group-ID | GroupID |
| Group-Props | GroupProperties |
| Invite-Acceptance | Acceptance |
| Invite-Content | URLList |
| Invite-Group | GroupID |
| Invite-ID | InviteID |
| Invite-Presence | AttributeList |
| Invite-Reason | InviteNote |
| Invite-Response | InviteNote |
| Invite-Type | InviteType |
| Joined-Request | JoinedRequest |
| Joined-Users-List | Joined |
| Keep-Alive-Time | KeepAliveTime |
| Left-Users-List | Left |
| Logo | Logo |
| Message-Count | MessageCount |
| Message-ID | MessageID |
| Message-ID-List | MessageID+ |

| | |
|-------------------------|-----------------------|
| Message-Info | MessageInfo |
| Message-Info-List | MessageInfo+ |
| Message-URI | MessageURI |
| Name | Name |
| Nonce | Nonce |
| Not-Available-Functions | Functions |
| Own-Props | OwnProperties |
| Own-Screen-Name | ScreenName |
| Password-String | Password |
| Presence-Attribute-List | PresenceSubList |
| Presence-Value-List | Presence |
| Recalled-Content | URLList |
| Recall-Reason | InviteNote |
| Recipients | Recipient |
| Remove-Nick-List | RemoveNickList |
| Remove-Users-List | RemoveList |
| Requested-Capabilities | CapabilityList |
| Requested-Functions | Functions |
| Result | Result |
| Screen-Name | ScreenName |
| Screen-Names | ScreenName+ |
| Search-Criteria | SearchCriteria |
| Search-Findings | SearchFindings |
| Search-ID | SearchID |
| Search-Index | SearchIndex |
| Search-Limit | SearchLimit |
| Search-Online-Status | SearchOnlineStatus |
| Search-Pair-List | SearchPairList |
| Search-Results | SearchResult |
| Sender | Sender |
| Session-Cookie | SessionCookie |
| Session-ID | SessionID |
| Subscribe-Type | SubscribeType |
| Subscription-State | Value |
| | |
| Supported-Digest-Schema | Digest-Schema |
| Text | Description |
| Time-To-Live | TimeToLive |
| Transaction-ID | TransactionID |
| Unblock-Entity-List | BlockList(RemoveList) |
| Ungrant-Entity-List | GrantList(RemoveList) |
| Update-Value-List | PresenceValueList |
| URL | URL |
| User-ID | UserID |
| User-ID-List | UserList |
| User-List | Users |
| User-List-Adm | Admin |
| User-List-Mod | Mod |
| User-Nick-List | NickList |
| Validity | Validity |
| Welcome-Text | WelcomeNote |

4.2 Data Types for XML Terminal Elements

| | |
|-------------|-------------------------|
| XML PCDATA | Acceptance |
| Data type | Boolean |
| Format | Defined in section 3.3. |
| Description | Indicates acceptance. |
| Range | Defined in section 3.3. |

Table 1. Acceptance

| | |
|-------------|---|
| XML PCDATA | AcceptedCharSet |
| Data type | Integer |
| Format | MIBenum number as defined in [IANA]. |
| Description | Character set that the client supports. |
| Range | Any of the valid character sets. |

Table 2. AcceptedCharSet

| | |
|-------------|---|
| XML PCDATA | AcceptedContentLength |
| Data type | Integer |
| Format | Defined in section 3.2. |
| Description | The character (byte) count of the content inside a message. |
| Range | Defined in section 3.2. |

Table 3. AcceptedContentLength

| | |
|-------------|--|
| XML PCDATA | AcceptedContentType |
| Data type | String |
| Format | MIME type as defined in [RFC2045] and [RFC2046]. |
| Description | MIME type that the client supports. |
| Range | All MIME-types |

Table 4. AcceptedContentType

| | |
|-------------|--|
| XML PCDATA | AcceptedTransferEncoding |
| Data type | String |
| Format | Text string |
| Description | Transfer encoding scheme that the client supports. Currently there is BASE64 only. |
| Range | BASE64 |

Table 5. AcceptedTransferEncoding

| | |
|-------------|--|
| XML PCDATA | AllFunctionsRequest |
| Data type | Boolean |
| Format | Defined in section 3.3. |
| Description | Indicates if the list of all functions is requested. |
| Range | Defined in section 3.3. |

Table 6. AllFunctionsRequest

| | |
|------------|-------------------------|
| XML PCDATA | AnyContent |
| Data type | Boolean |
| Format | Defined in section 3.3. |

| | |
|-------------|--|
| Description | Indicates if the client accepts all types of contents. |
| Range | Defined in section 3.3. |

Table 7. AnyContent

| | |
|-------------|---|
| XML PCDATA | CapabilityRequest |
| Data type | Boolean |
| Format | Defined in section 3.3. |
| Description | Indicates if client capability negotiation is needed. |
| Range | Defined in section 3.3. |

Table 8. CapabilityRequest

| | |
|-------------|------------------------------|
| XML PCDATA | ClientType |
| Data type | Enumerated string |
| Format | Defined in [WV-PA], Table 7. |
| Description | The type of the client. |
| Range | Defined in [WV-PA], Table 7. |

Table 9. ClientType

| | |
|-------------|-------------------------|
| XML PCDATA | Code |
| Data type | Integer |
| Format | Defined in section 3.2. |
| Description | Status code. |
| Range | Defined in [WV-CSP]. |

Table 10. Code

| | |
|-------------|---|
| XML PCDATA | ContactList |
| Data type | String |
| Format | Defined in [WV-CSP]. |
| Description | Unique identifier of a user's contact list. |
| Range | Max 100 characters. |

Table 11. ContactList

| | |
|-------------|--------------------------------|
| XML PCDATA | ContentData |
| Data type | String or Binary data. |
| Format | See Table 13. ContentEncoding. |
| Description | The actual content. |
| Range | |

Table 12. ContentData

| | |
|-------------|--|
| XML PCDATA | ContentEncoding |
| Data type | String |
| Format | Text string |
| Description | Indicates the transfer encoding used on the content. |
| Range | None BASE64 |

Table 13. ContentEncoding

| | |
|------------|-------------|
| XML PCDATA | ContentSize |
|------------|-------------|

| | |
|-------------|--|
| Data type | Integer |
| Format | Defined in section 3.2. |
| Description | Indicates the size of the content. If the content is binary data, it indicates the size after the BASE64 encoding. |
| Range | Defined in section 3.2. |

Table 14. ContentSize

| | |
|-------------|--|
| XML PCDATA | ContentType |
| Data type | String |
| Format | MIME-Type as defined in [RFC2045] and [RFC2046]. |
| Description | Indicates the MIME-type of the content. |
| Range | All MIME-types |

Table 15. ContentType

| | |
|-------------|-------------------------|
| XML PCDATA | DateTime |
| Data type | Date and Time |
| Format | Defined in section 3.5. |
| Description | Date and time. |
| Range | Defined in section 3.5. |

Table 16. DateTime

| | |
|-------------|--------------------------------------|
| XML PCDATA | DefaultContactList |
| Data type | String |
| Format | See Table 11. ContactList. |
| Description | Identifies the default contact list. |
| Range | See Table 11. ContactList. |

Table 17. DefaultContactList

| | |
|-------------|---|
| XML PCDATA | DefaultLanguage |
| Data type | Enumerated string |
| Format | Three-letter language code as specified in [ISO639-2]. |
| Description | 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. |
| Range | Any of the valid three-letter language codes. |

Table 18. DefaultLanguage

| | |
|-------------|--|
| XML PCDATA | DefaultList |
| Data type | Boolean |
| Format | Defined in section 3.3. |
| Description | Indicates if the default attribute list should be used in transaction. |
| Range | Defined in section 3.3. |

Table 19. DefaultList

| | |
|------------|----------------|
| XML PCDATA | DeliveryMethod |
|------------|----------------|

| | |
|-------------|---|
| Data type | Enumerated character |
| Format | Text character |
| Description | The delivery method setting. N otify/ G et or P ush. |
| Range | N P |

Table 20. DeliveryMethod

| | |
|-------------|---|
| XML PCDATA | DeliveryReport |
| Data type | Boolean |
| Format | Defined in section 3.3. |
| Description | Indicates if delivery method is requested or not. |
| Range | Defined in section 3.3. |

Table 21. DeliveryReport

| | |
|-------------|-------------------------|
| XML PCDATA | Description |
| Data type | String |
| Format | Text string |
| Description | Short descriptive text. |
| Range | Max 200 characters |

Table 22. Description

| | |
|-------------|--|
| XML PCDATA | DigestBytes |
| Data type | String |
| Format | BASE64 encoded |
| Description | Digest bytes to use with DigestSchema. |
| Range | Max 200 characters |

Table 23. DigestBytes

| | |
|-------------|-----------------------------|
| XML PCDATA | DigestSchema |
| Data type | Enumerated string |
| Format | Text string |
| Description | Digest schema used in hash. |
| Range | PWD SHA MD4 MD5 MD6 |

Table 24. DigestSchema

| | |
|-------------|-------------------------------|
| XML PCDATA | GroupID |
| Data type | String |
| Format | Defined in [WV-CSP]. |
| Description | Unique identifier of a group. |
| Range | Max 50 characters |

Table 25. GroupID

| | |
|-------------|------------------------------------|
| XML PCDATA | InitialDeliveryMethod |
| Data type | Refer to Table 20. DeliveryMethod. |
| Format | Refer to Table 20. DeliveryMethod. |
| Description | Refer to Table 20. DeliveryMethod. |
| Range | Refer to Table 20. DeliveryMethod. |

Table 26. InitialDeliveryMethod

| | |
|-------------|--|
| XML PCDATA | InUse |
| Data type | Boolean |
| Format | Defined in section 3.3. |
| Description | Indicates if the requested functionality is in use or not. |
| Range | Defined in section 3.3. |

Table 27. InUse

| | |
|-------------|--|
| XML PCDATA | InviteID |
| Data type | String |
| Format | Text string |
| Description | Identifies an invitation so that it may be cancelled later on. |
| Range | Unique in the scope of the server domain. Max 100 character. |

Table 28. InviteID

| | |
|-------------|--|
| XML PCDATA | InviteNote |
| Data type | String |
| Format | Text string |
| Description | Short descriptive text for invitation. |
| Range | Max 400 characters |

Table 29. InviteNote

| | |
|-------------|---------------------------------------|
| XML PCDATA | InviteType |
| Data type | Enumerated string |
| Format | Text string |
| Description | Indicates the type of the invitation. |
| Range | GR IM PR SC |

Table 30. InviteType

| | |
|-------------|---|
| XML PCDATA | JoinedRequest |
| Data type | Boolean |
| Format | Defined in section 3.3. |
| Description | Indicates if the list of currently joined group members is requested. |
| Range | Defined in section 3.3. |

Table 31. JoinedRequest

| | |
|-------------|--|
| XML PCDATA | KeepAliveTime |
| Data type | Integer |
| Format | Defined in section 3.2. |
| Description | 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.) |
| Range | Defined in section 3.2. |

Table 32. KeepAliveTime

| | |
|------------|--------------|
| XML PCDATA | MessageCount |
| Data type | Integer |

| | |
|-------------|-----------------------------------|
| Format | Defined in section 3.2. |
| Description | Indicates the number of messages. |
| Range | Defined in section 3.2. |

Table 33. MessageCount

| | |
|-------------|--------------------------------|
| XML PCDATA | MessageID |
| Data type | String |
| Format | Text string |
| Description | Identifies an instant message. |
| Range | Max 50 characters |

Table 34. MessageID

| | |
|-------------|--------------------|
| XML PCDATA | MessageURI |
| Data type | String |
| Format | URI |
| Description | See [RFC2396]. |
| Range | Max 100 characters |

Table 35. MessageURI

| | |
|-------------|-----------------------------|
| XML PCDATA | MSISDN |
| Data type | String |
| Format | International mobile number |
| Description | Defined in [E.164]. |
| Range | As defined in [E.164]. |

Table 36. MSISDN

| | |
|-------------|---|
| XML PCDATA | MultiTrans |
| Data type | Integer |
| Format | Defined in section 3.2. |
| Description | 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. |
| Range | The value must be higher than zero. |

Table 37. MultiTrans

| | |
|-------------|-----------------------|
| XML PCDATA | Name |
| Data type | String |
| Format | Text string |
| Description | Name of an attribute. |
| Range | Max 50 characters |

Table 38. Name

| | |
|-------------|------------------------------------|
| XML PCDATA | Nonce |
| Data type | String |
| Format | Text string |
| Description | Random string for password digest. |
| Range | Max 200 characters |

Table 39. Nonce

| | |
|-------------|---|
| XML PCDATA | OnlineStatus |
| Data type | Boolean |
| Format | Defined in section 3.3. |
| Description | Indicates if the online, offline or both users are requested. |
| Range | Defined in section 3.3. |

Table 40. OnlineStatus

| | |
|-------------|--|
| XML PCDATA | ParserSize |
| Data type | Integer |
| Format | Defined in section 3.2. |
| Description | Indicates the maximum character (byte) count of XML message size that the parser can handle. |
| Range | Defined in section 3.2. |

Table 41. ParserSize

| | |
|-------------|--|
| XML PCDATA | Password |
| Data type | String |
| Format | Text string |
| Description | The password corresponding to the password digest. |
| Range | Max 50 characters |

Table 42. Password

| | |
|-------------|---|
| XML PCDATA | Poll |
| Data type | Boolean |
| Format | Defined in section 3.3. |
| Description | Indicates whether if the server has something to send or not. |
| Range | Defined in section 3.3. |

Table 43. Poll

| | |
|-------------|---|
| XML PCDATA | PresenceSubList |
| Data type | String |
| Format | As defined in the referred namespace. |
| Description | 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. |
| Range | The namespace attribute points to a valid Wireless Village presence namespace. |

Table 44. PresenceSubList

| | |
|-------------|---|
| XML PCDATA | ResponseNote |
| Data type | String |
| Format | Text string |
| Description | Short descriptive text for invitation response. |
| Range | Max 400 characters |

Table 45. ResponseNote

| | |
|-------------|--|
| XML PCDATA | SearchElement |
| Data type | Enumerated string |
| Format | Text string |
| Description | Indicates what should be searched for <i>SearchString</i> . |
| Range | USER_ID USER_FIRST_NAME USER_LAST_NAME USER_EMAIL_ADDRESS USER_ALIAS USER_MOBILE_NUMBER GROUP_ID GROUP_NAME GROUP_TOPIC GROUP_USER_ID_JOINED |

Table 46. SearchElement

| | |
|-------------|--|
| XML PCDATA | SearchFindings |
| Data type | Integer |
| Format | Defined in section 3.2. |
| Description | Indicates the number of matches found in a search request. |
| Range | Defined in section 3.2. |

Table 47. SearchFindings

| | |
|-------------|--|
| XML PCDATA | SearchID |
| Data type | Integer |
| Format | Defined in section 3.2. |
| Description | Identifies a search request, so that it may be continued later on. |
| Range | Defined in section 3.2. |

Table 48. SearchID

| | |
|-------------|--|
| XML PCDATA | SearchIndex |
| Data type | Integer |
| Format | Defined in section 3.2. |
| Description | Indicates from which point should the search continue. |
| Range | Defined in section 3.2. |

Table 49. SearchIndex

| | |
|-------------|---|
| XML PCDATA | SearchLimit |
| Data type | Integer |
| Format | Defined in section 3.2. |
| Description | Indicates the maximum number of result to be retrieved at a time. |
| Range | Defined in section 3.2. |

Table 50. SearchLimit

| | |
|-------------|--|
| XML PCDATA | SearchString |
| Data type | String |
| Format | Text string |
| Description | <i>SearchElement</i> is searches for this (sub)string. |
| Range | Max 100 characters. |

Table 51. SearchString

| | |
|------------|---------------|
| XML PCDATA | ServerPollMin |
|------------|---------------|

| | |
|-------------|---|
| Data type | Integer |
| Format | Defined in section 3.2. |
| Description | Indicates the minimum time period that must pass between two subsequent PollingRequest transactions. The value indicates the time in seconds. |
| Range | The value must be higher than zero. |

Table 52. ServerPollMin

| | |
|-------------|--|
| XML PCDATA | SessionCookie |
| Data type | String |
| Format | Text string |
| Description | A client-generated cookie provided during login phase. |
| Range | Max 50 characters. |

Table 53. SessionCookie

| | |
|-------------|--|
| XML PCDATA | SessionID |
| Data type | String |
| Format | Text string that is unique in the scope of the user. |
| Description | Identifies a session. |
| Range | Max 50 characters. |

Table 54. SessionID

| | |
|-------------|--|
| XML PCDATA | SessionType |
| Data type | Enumerated string |
| Format | Text string |
| Description | Describes the nature of the session. Inband if a there is an open session (and session-ID can be provided), otherwise Outband. |
| Range | Inband Outband |

Table 55. SessionType

| | |
|-------------|---|
| XML PCDATA | SubscribeType |
| Data type | String |
| Format | Text character |
| Description | The type of the subscription request. It is Get , Set , or Unset . |
| Range | G S U |

Table 56. SubscribeType

| | |
|-------------|----------------------------------|
| XML PCDATA | SupportedBearer |
| Data type | Enumerated string |
| Format | Text string |
| Description | Bearer that the client supports. |
| Range | SMS WSP HTTP |

Table 57. SupportedBearer

| | |
|------------|--------------------|
| XML PCDATA | SupportedCIRMethod |
| Data type | Enumerated string |
| Format | Text string |

| | |
|-------------|---|
| Description | Communication Initiation Request method that the client supports. |
| 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 58. SupportedCIRMethod

| | |
|-------------|---|
| XML PCDATA | TCPAddress |
| Data type | Integer |
| Format | Defined in section 3.2. |
| Description | The client may indicate that it wants to use a different IP address for standalone TCP/IP CIR method. |
| Range | Defined in section 3.2. |

Table 59. TCPAddress

| | |
|-------------|--|
| XML PCDATA | TCPPort |
| Data type | Integer |
| Format | Defined in section 3.2. |
| Description | The client may indicate that it supports other than the default port for the standalone TCP/IP CIR method. |
| Range | Defined in section 3.2. |

Table 60. TCPPort

| | |
|-------------|---|
| XML PCDATA | TimeToLive |
| Data type | Integer |
| Format | Defined in section 3.2. |
| Description | 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. |
| Range | Defined in section 3.2. |

Table 61. TimeToLive

| | |
|-------------|---|
| XML PCDATA | TransactionContent |
| Data type | String |
| Format | As defined in the referred namespace. |
| Description | The transaction itself. This element is used to give reference to the namespace (DTD) to be used under this specific tag. |
| Range | The namespace attribute points to a valid Wireless Village transaction namespace |

Table 62. TransactionContent

| | |
|-------------|--|
| XML PCDATA | TransactionID |
| Data type | String |
| Format | Text string that is unique for each transaction in the scope of the session. |
| Description | Identifies a transaction. The initiating party assigns this ID. |

| | |
|-------|-------------------|
| Range | Max 50 characters |
|-------|-------------------|

Table 63. TransactionID

| | |
|-------------|---|
| XML PCDATA | TransactionMode |
| Data type | Enumerated string |
| Format | Text string |
| Description | Describes the nature of the transaction. Request if a new transaction is started, otherwise Response. |
| Range | Request Response |

Table 64. TransactionMode

| | |
|-------------|--|
| XML PCDATA | UDPPort |
| Data type | Integer |
| Format | Defined in section 3.2. |
| Description | The client may indicate that it supports other than the default port for the standalone UDP/IP CIR method. |
| Range | Defined in section 3.2. |

Table 65. UDPPort

| | |
|-------------|--------------------|
| XML PCDATA | URL |
| Data type | String |
| Format | URL |
| Description | See [RFC2396]. |
| Range | Max 200 characters |

Table 66. URL

| | |
|-------------|-------------------------------------|
| XML PCDATA | UserID |
| Data type | String |
| Format | Defined in [WV-CSP]. |
| Description | Unique identifier of a single user. |
| Range | Max 50 characters |

Table 67. UserID

| | |
|-------------|--|
| XML PCDATA | Validity |
| Data type | Integer |
| Format | Defined in section 3.2. |
| Description | Indicates the interval in seconds during which the message is valid. |
| Range | Defined in section 3.2. |

Table 68. Validity

| | |
|-------------|---|
| XML PCDATA | Value |
| Data type | String |
| Format | Text string |
| Description | Used for multiple purposes, see [WV-CSP] for further information about the particular case. |
| Range | Max 50 characters |

Table 69. Value

