



Specification Information Note

WAP-164_102-PAP-20010731-a

Version 31-Jul-2001

for

Wireless Application Protocol

WAP-164-PAP-19991108-a

Push Access Protocol Specification

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1. Scope

This document provides changes and corrections to the following document files:

- WAP-164-PAP-19991108-a
- WAP-164_100-PAP-20000218-a
- WAP-164_101-PAP-20010420-a

It includes changes from the following change requests:

- WAP-164-102-PAP-20010731-d
- CR-PAP-20000705-ERICSSON-1

2. Notation

In the subsections describing the changes new text is underlined. Removed text has ~~striketrough~~ marks. The presented text is copied from the specification. Text that is not presented is not affected at all. The change descriptions may also include editor's notes similar to the one below. The notes are not part of the actual changes and must not be included in the changed text.

Editor's note: Framed notes like these only clarify where and how the changes shall be applied.

3. Change 1 - SCR Table conformance

3.1 Change Classification

Class 3 – Clerical Corrections

3.2 Change Summary

This SIN modifies Push PAP SCRs according to the new Static Conformance Requirements (SCRs) rules. Specifically "-S" (for Server) has been added to each item.

3.3 Change Description

Editor's note: On page 6, replace the following reference:

3.1 Normative References

~~[CREQ] Specification of WAP Conformance Requirements, 15 September 2000, WAP Forum Ltd, URL: <http://www.wapforum.org/>~~

[CREQ] "Specification of WAP Conformance Requirements". WAP Forum™. WAP-221-CREQ-20010425-a. URL:<http://www.wapforum.org/>

Editor's note: On page 43, replace appendix A with the following:

Appendix A Static Conformance Requirements

These conformance requirements have been assembled in compliance with the WAP Specification of Conformance Requirements [CREQ].

A.1 Push Proxy Gateway Features

A.1.1 Validation

<u>Item</u>	<u>Function</u>	<u>Reference</u>	<u>Status</u>	<u>Requirement</u>
<u>PAP-VAL-S-001</u>	<u>Validate XML in control entity in push submission</u>	<u>6.1</u>	<u>M</u>	
<u>PAP-VAL-S-002</u>	<u>Validate content entity</u>	<u>6.1</u>	<u>O</u>	
<u>PAP-VAL-S-003</u>	<u>Validate addresses</u>	<u>6.1</u>	<u>O</u>	

A.1.2 Operations

<u>Item</u>	<u>Function</u>	<u>Reference</u>	<u>Status</u>	<u>Requirement</u>
<u>PAP-OPS-S-001</u>	<u>Push Submission</u>	<u>6.1</u>	<u>M</u>	
<u>PAP-OPS-S-002</u>	<u>Result Notification</u>	<u>6.2</u>	<u>M</u>	

<u>Item</u>	<u>Function</u>	<u>Reference</u>	<u>Status</u>	<u>Requirement</u>
<u>PAP-OPS-S-003</u>	<u>Push Cancellation</u>	<u>6.3</u>	<u>O</u>	
<u>PAP-OPS-S-004</u>	<u>Status Query</u>	<u>6.4</u>	<u>O</u>	
<u>PAP-OPS-S-005</u>	<u>Client Capabilities Query</u>	<u>6.5</u>	<u>O</u>	

A.1.3 Semantics

<u>Item</u>	<u>Function</u>	<u>Reference</u>	<u>Status</u>	<u>Requirement</u>
<u>PAP-SEM-S-001</u>	<u>Support of multiple addresses in messages</u>	<u>7.1</u>	<u>O</u>	
<u>PAP-SEM-S-002</u>	<u>Support of multiple addresses in responses</u>	<u>7.1</u>	<u>O</u>	
<u>PAP-SEM-S-003</u>	<u>Deliver after timestamp</u>	<u>9.2</u>	<u>O</u>	
<u>PAP-SEM-S-004</u>	<u>Deliver before timestamp</u>	<u>9.2</u>	<u>O</u>	
<u>PAP-SEM-S-005</u>	<u>Fail requests when QOS cannot be honoured.</u>	<u>9.2.2</u>	<u>M</u>	
<u>PAP-SEM-S-006</u>	<u>Delivery-method in QOS</u>	<u>9.2.2</u>	<u>M</u>	
<u>PAP-SEM-S-007</u>	<u>Priority delivery</u>	<u>9.2</u>	<u>O</u>	
<u>PAP-SEM-S-008</u>	<u>Report progress notes</u>	<u>9.3</u>	<u>O</u>	
<u>PAP-SEM-S-009</u>	<u>Support capabilities entity in push message</u>	<u>6.1</u>	<u>O</u>	
<u>PAP-SEM-S-010</u>	<u>Return status code 3002 in badmessage-response only when PAP version is not supported.</u>	<u>9.12</u>	<u>M</u>	
<u>PAP-SEM-S-011</u>	<u>Detect the PAP version of a received message</u>	<u>9.12</u>	<u>M</u>	

4. Change 2 - PAP resultnotification-message clarification

4.1 Change Classification

Class 2 – Bug Fixes

4.2 Change Summary

As currently specified, a `resultnotification-message` is sent no matter if the initial submission was accepted for processing or not. This implies that the same information will be sent twice if the initial submission was not accepted, once in the `push-response (response-result)` and once in the `resultnotification-`

message. This SIN suggests that the `resultnotification-message` only should be sent if the initial submission was accepted.

4.3 Change Description

Editor' note: On page 23, add the last sentence:

9.6 The `resultnotification-message` Element

```
<!ELEMENT resultnotification-message ( address, quality-of-service? ) >
<!--ATTLIST resultnotification-message
    push-id                CDATA                #REQUIRED
    sender-address          CDATA                #IMPLIED
    sender-name             CDATA                #IMPLIED
    received-time           %Datetime;           #IMPLIED
    event-time              %Datetime;           #IMPLIED
    message-state           %State;              #REQUIRED
    code                    CDATA                #REQUIRED
    desc                    CDATA                #IMPLIED
-->
```

The `resultnotification-message` element provides a means to specify the outcome of a submitted message for a specific recipient after the final result is known. This includes message delivery, expiration, cancellation, etc. The `quality-of-service` element specifies the delivery methods used if the message delivery was successful. It **MUST** be included if it was present in the push submission. **The `resultnotification-message` is only sent if the initial push submission was accepted for processing (indicated by status code 1xxx in the push-response).**