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Title: Corrigendum to Version 2.1.4 of the ITSO Specification

Specification Part(s) affected by this note: TS 1000-3, TS 1000-9 (Version 2.1.4)

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Change History

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ITSO

Corrigendum 8 to Version 2.1.4

This Corrigendum notice identifies the corrections to the Parts as noted below:

Corrected Versions of the Specification may be identified by the indicator COR 8 which can be found on the title page under the ISBN Number. The last modified date in the footer of the front page will be 2nd March 2015 (2015-03-02).

Reasons for the Corrigendum:

There are 3 reasons for this Corrigendum:

1. The DTD files are currently hosted on the itso.org.uk domain which also hosts the ITSO website. Although the note to Part 9 Clause 10.2.2 “Public and System Identifiers” contains a recommendation to use a local copy of the DTD if access to the system identifier website is unavailable, historical outages have caused problems for the ITSO community. Additionally, the DTD files are currently accessed some ~12 million times each month which prevents the implementation of security measures to protect the ITSO website.

In order to provide security & resiliency for the DTD files and associated traffic, the DTD files need to be hosted on a separate system – the itso-directory.org domain has been chosen for this, with an appropriate hosting provider. This Corrigendum changes the DTD system identifier URLs in Part 9 of the Specification to point to the new domain reference and mandates the local caching of the DTD files.

Additionally, when TN0174 was implemented in v2.1.1 of the Specification, a single reference to IVPN-1-0.dtd was erroneously included. The IVPN-1-0.dtd file is simply a duplicate of the POSTHOPS-1-0.dtd file. The opportunity is taken to correct the error and change the reference to POSTHOPS-1-0.dtd.

The implementation of this part of the Corrigendum must take place as soon as possible and in any event no later than 29th February 2016 for all HOPS and POST communications. In the period from publication to 29th February 2016, the DTD files will remain available in both the old and new locations in order to aid a smooth transition. On 1st March 2016, the files will be removed from <http://www.itso.org.uk> and the IVPN-1-0.dtd file will be removed from the new location.

2. Clauses 2.1 R2 & R3 in DG0022 contain instructions to preclude the sending of messages via HOPS to HOPS messaging where a POST SET or ISAM is the Recipient. These preclusions are correct, but have never been formally included in the Specification and have caused confusion. This Corrigendum addresses the issue by adding the preclusions to Part 9 of the Specification.

3. The opportunity is also taken to amend Part 3, Clause 6.3.8.1.1 to remove an incorrect reference to ver3 of the HOPS to POST DTD and Annex B in Part 9 (Annex B previously contained the DTD structures, but was renamed when TN0344 was incorporated in to the Specification)



Modifications required for Corrigendum reason 1:

Part 9

Amend **Clause 10.2**, as follows:

Exemplified as follows:

```
<!DOCTYPE ITSO_POST_to_HOPS_File PUBLIC "-//ITSO//ITSO POST to HOPS File//EN"
"http://www.ITSO.org.ukdtd.itso-directory.org/DTD/post_to_hops.dtd">
```

Amend **Clause 10.2.2**, as follows:

Message File type	Public Identifier	System Identifier *
Message files passed from POST / ticketing system to HOPS (minimal tag set)	-//ITSO//ITSO POST to HOPS SFile//EN	http:// www.dtd.itso-directory.org.uk /DTD/post_to_hops_min_v1.dtd
Message files passed from HOPS to POST / ticketing system (minimal tag set)	-//ITSO//ITSO HOPS to POST SFile//EN	http:// www.dtd.itso-directory.org.uk /DTD/hops_to_post_min_v1.dtd
Message files passed from POST / ticketing system to HOPS (full tag set)	-//ITSO//ITSO POST to HOPS File//EN	http:// www.dtd.itso-directory.org.uk /DTD/post_to_hops_v1.dtd
Message files passed from HOPS to POST / ticketing system (full tag set)	-//ITSO//ITSO HOPS to POST File//EN	http:// www.dtd.itso-directory.org.uk /DTD/hops_to_post_v1.dtd
Message files passed from HOPS to HOPS	-//ITSO//ITSO HOPS to HOPS File//EN	http:// www.dtd.itso-directory.org.uk /DTD/hops_to_hops_v1.dtd
Message files passed from HOPS to ISMS	-//ITSO//ITSO HOPS to SMS File//EN	http:// www.dtd.itso-directory.org.uk /DTD/hops_to_sms_v1.dtd
Message files passed from ISMS to HOPS	-//ITSO//ITSO SMS to HOPS File//EN	http:// www.dtd.itso-directory.org.uk /DTD/sms_to_hops_v1.dtd
POST / Intermediate node / HOPS Communications	-//ITSO//DTD POSTHOPS 1.0//EN	http:// www.dtd.itso-directory.org.uk /schemas/POSTHOPS-1-0.dtd

* It is important to note that the system identifier URLs are case-sensitive.

Note: ~~In the event that access to the system identifier web site is unavailable a locally held copy of current DTDs should be used.~~ These files are changed rarely and it is therefore mandated that a locally held copy of the current DTD files be used and only refreshed if the local copy is lost or when changes are advised.



Amend Clause 11.2.3.3, as follows:

```
<?xml version="1.0" encoding="UTF-8"?>
<!DOCTYPE MessageUploadResponse
PUBLIC "-//ITSO//DTD POSTHOPS 1.0//EN"
"http://www.itso.org.ukdtd.itso-directory.org/schemas/POSTHOPS-1-0.dtd">
  <MessageUploadResponse>
    <Parameter name="reference">XXXXX</Parameter>
  </MessageUploadResponse>
```

Amend Clause 11.2.4.2 (A), as follows:

```
<?xml version="1.0" encoding="UTF-8"?>
<!DOCTYPE MessageDownloadRequest
PUBLIC "-//ITSO//DTD POSTHOPS 1.0//EN"
"http://www.itso.org.ukdtd.itso-directory.org/schemas/POSTHOPS-1-0.dtd">
  <MessageDownloadRequest node="XXXXX" confirmation="Y" class="2">
    <Parameter name="ISAM">6335970058004C</Parameter>
    <Parameter name="ISAM">6335970058004D</Parameter>
    <Parameter name="Group">633597000B1234</Parameter>
    <Parameter name="Set">633597000B1234</Parameter>
  </MessageDownloadRequest>
```

Amend Clause 11.2.4.2 (C), as follows:

```
<?xml version="1.0" encoding="UTF-8"?>
<!DOCTYPE MessageDownloadConfirmation
PUBLIC "-//ITSO//DTD IVPNPOSTHOPS 1.0//EN"
"http://www.itso.org.ukdtd.itso-directory.org/schemas/IVPNPOSTHOPS-1-0.dtd">
```

Amend Clause 11.2.4.2 (D), as follows:

```
<?xml version="1.0" encoding="UTF-8"?>
<!DOCTYPE MessageConfirmationResponse
PUBLIC "-//ITSO//DTD POSTHOPS 1.0//EN"
"http://www.itso.org.ukdtd.itso-directory.org/schemas/POSTHOPS-1-0.dtd">
  <MessageConfirmationResponse>
    <Parameter name="reference">XXXX</Parameter>
    <Parameter name="node">XXXX</Parameter>
    <Parameter name="message">Success</Parameter>
  </MessageConfirmationResponse>
```

Amend Clause 11.2.5.1, as follows:

```
<?xml version="1.0" encoding="UTF-8"?>
<!DOCTYPE MessageControlledDownloadRequest
PUBLIC "-//ITSO//DTD POSTHOPS 1.0//EN"
"http://www.itso.org.ukdtd.itso-directory.org/schemas/POSTHOPS-1-0.dtd">
  <MessageControlledDownloadRequest node="XXXXX" confirmation="Y">
    <Parameter name="ISAM">6335970058004C </Parameter>
    <Parameter name="ISAM">6335970058004D </Parameter>
    <Parameter name="Group">63359700581234</Parameter>
  </MessageControlledDownloadRequest>
```



Modifications required for Corrigendum reason 2:

Part 9

Amend **Clause 4.4.8** as follows:

- The ISN field shall either contain a valid serial number where the Application Message is destined for a particular ISAM / HSAM, or shall be set to zero. **Note: when sending messages via HOPS to HOPS communications, the ISN field shall not contain an ISAM serial number or POST set ID information.**

Amend **Clause 10.2.3** as follows:

Table 11 Message Version numbering

Message Version value *	Data Elements present	Message Classes involved
2	IC (Initial Collection of Data Elements)	All
3	IC + ITSO_Recipient_Type	2,3
3	IC + ITSO_Group_Message_Seq_Num	3
3	IC + ITSO_ISAM_Message_Seq_Num	3

* Note: For HOPS to HOPS messaging, only Message Version 2 shall be used.



Modifications required for Corrigendum reason 3:

Part 3

Amend **Clause 6.3.8.1.1** as follows:

In order to ensure that the POST application only applies secure data frames from a class three message in the correct intra message sequence, the AMS function inserts two additional sequence numbers into class 3 messages using ~~ver3 of~~ the HOPS to POST DTD (see TS1000-9 ~~Annex B~~).

~ End of Corrigendum ~