

XML Dependencies removal clarification

TM

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XML Dependencies removal clarification

- Part 1: Why modify annexes related to XML schema electronic files?
- Part 2: Why remove XML schema URI Dependencies?

XML Dependencies removal clarification

PART 1: Why modify annexes related to XML schema electronic files?

- Related CRs and contribution : Correction of the annexes related to XML schema electronic files publication
 - S5-048256 : CR related to annex of TS 32615-440
 - S5-048257 : CR related to annex of TS 32615-530
 - S5-048258 : CR related to annex of TS 32625-512
 - S5-048259 : CR related to annex of TS 32625-600
 - S5-048260 : CR related to annex of TS 32635-511
 - S5-048261 : CR related to annex of TS 32645-530
 - S5-048262 : CR related to annex of TS 32655-530
 - S5-048263 : CR CRs Cover Page

XML Dependencies removal clarification

Current status of the annexes

TS 32.645-530

Annex A (normative):
XML schema [...]

Annex B (normative)
XML schema electronic files

[...] contained in archive
32645-530-XMLSchema.zip
which accompanies the present document

http://www.3gpp.org/ftp/specs/archive/32_series/32.645/

32645-530.zip

32645-530.doc

32645-530-XMLSchema.zip

utranNrm.xsd

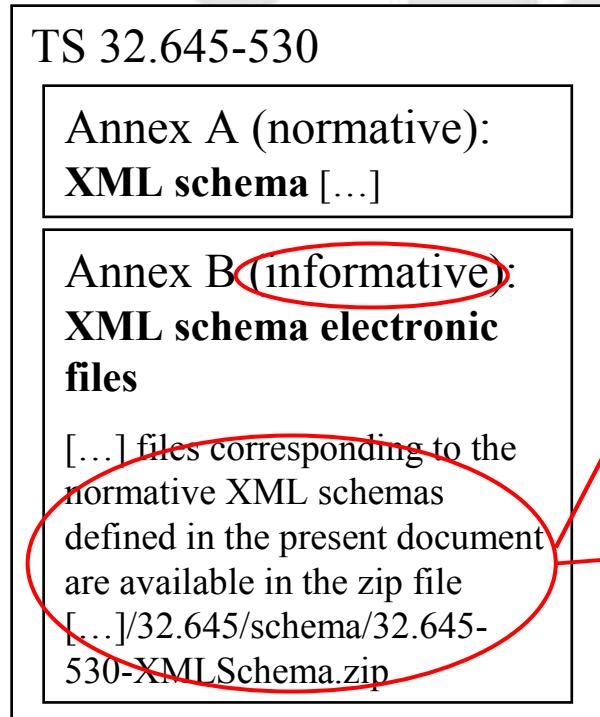
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Correction of the annexes related to XML schema electronic files publication

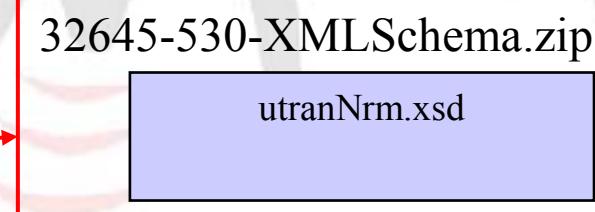
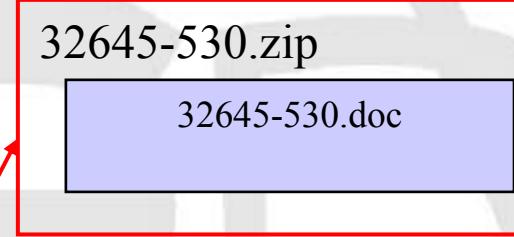
- Unclear which is the normative master between:
 - TS normative annexes content defining XML schemas
 - XML schema electronic files indicated into TS normative annexes
 - XML schema had to be delivered with the TS
 - Agreed in SA5#36bis that it will be in a new directory « schema » containing all the version of XML schema electronic file of a related TS
-
- Example:
http://www.3gpp.org/ftp/specs/archive/32_series/32.645/schema/32.645-530-XMLSchema.zip
Where “32.645-530-XMLSchema.zip” file contains “utranNrm.xsd”

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Solution proposed for XML schema electronic files publication



http://www.3gpp.org/ftp/specs/archive/32_series/32.645/



http://www.3gpp.org/ftp/specs/archive/32_series/32.645/schema/

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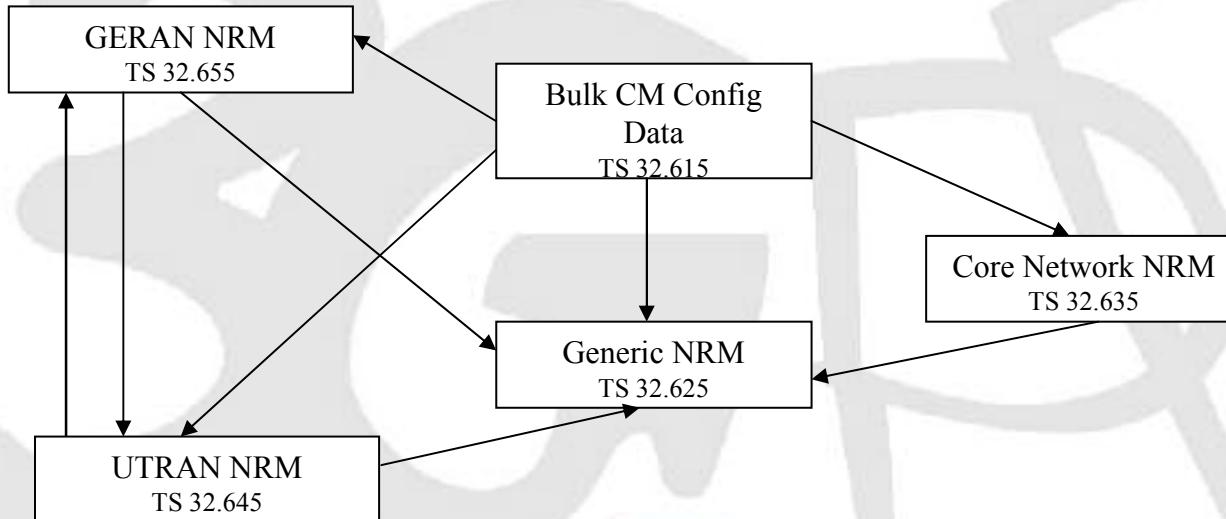
PART 2: Why remove XML schema URI Dependencies?

- Related contribution :
 - S5-048264 XML Schemas URI Dependencies Removal

A G L O B A L I N I T I A T I V E

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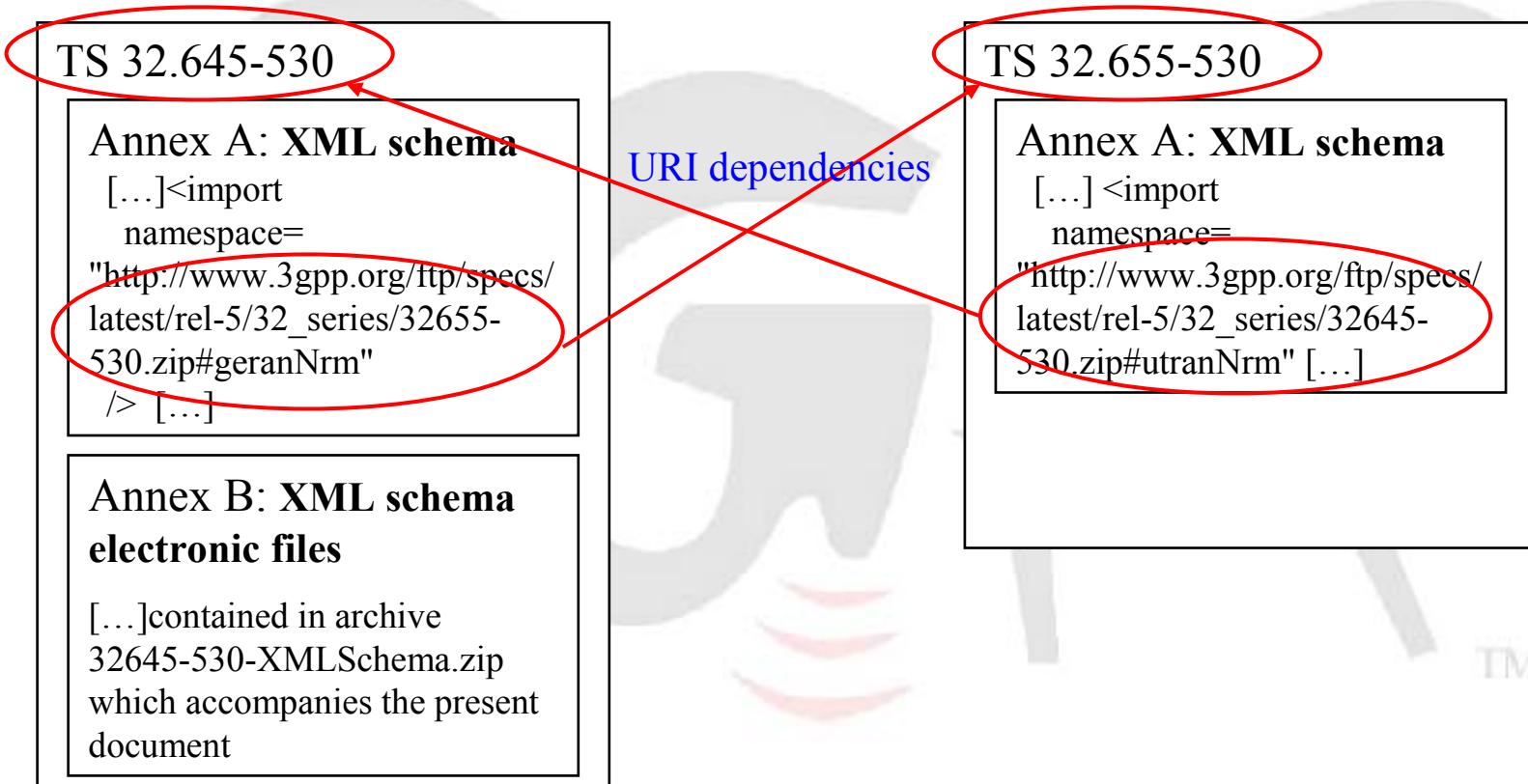
XML schema URI dependencies: Where?



TS A → TS B: A references B

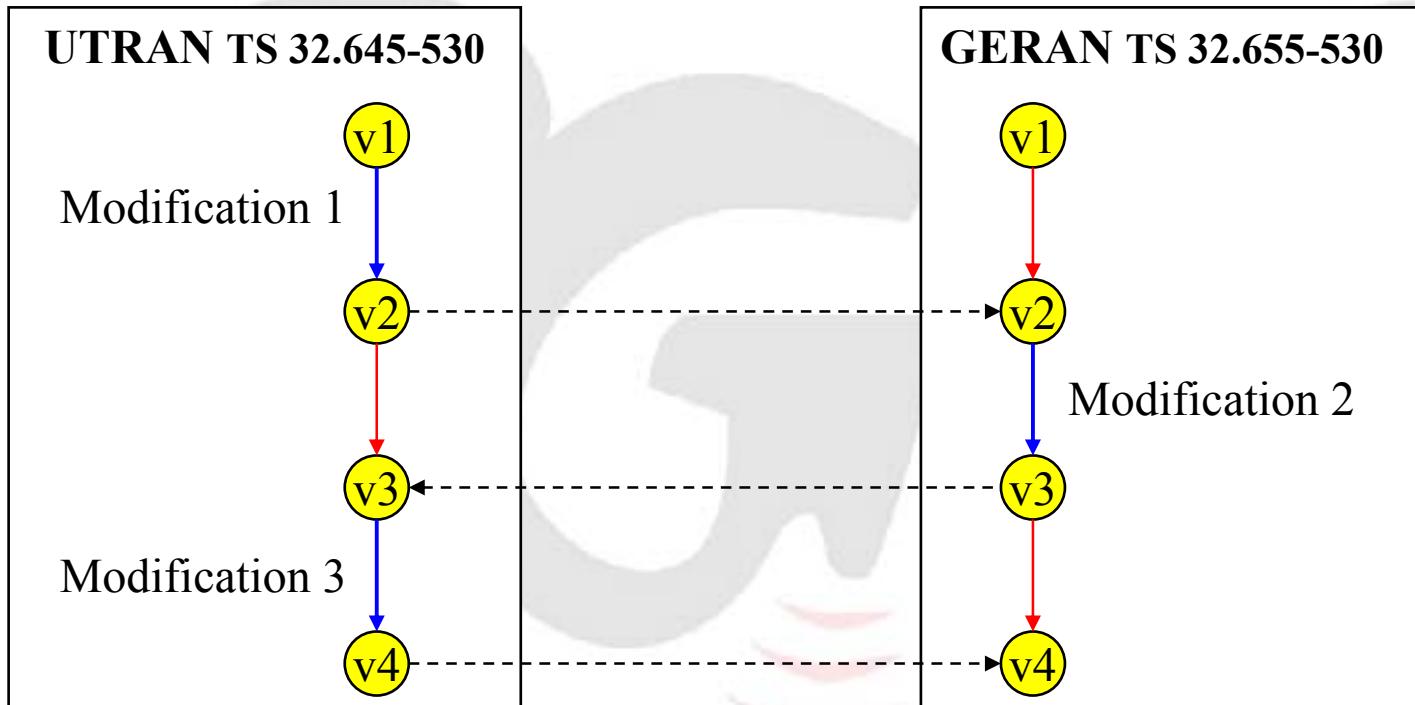
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XML schema URI dependencies: How? Example of UTRAN NRM



XML Dependencies removal clarification

XML schemas URI Dependencies: consequences and implications



XML Dependencies removal clarification

XML schemas URI Dependencies: consequences and implications

- A NRM IRP specific modification involves a modification in an other NRM IRP even if not directly impacted
 - CR multiplication
 - Useless number of TS versions
- Only a restricted number of TS combination is allowed
 - It won't be possible for Vendor/operator to introduce a modification in UTRAN (ex: v4) without introducing a modification in GERAN (modification 2 then mandatory)
 - The dependencies impose a TS versions line-up. This corresponds to a specific implementation choice

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Why remove URI Dependencies?

- No more CR multiplication
- No more useless number of TS versions
- No more TS combination restriction
- No more TS versions line-up imposed

No more specific implementation choice in the standards. The choice of TS version combination will be up to the vendor/operator and no more indicated by the specifications.

And use of GetIRPVersion/GetNRMIRPVersion operations for retrieving the IRP version

This solution is in line with the existing CORBA Solution Set

For example in TS 32.603 where CORBA IDL contains

```
#include "ManagedGenericIRPConstDefs.idl"
```

```
#include "ManagedGenericIRPSystem.idl"
```

⇒ No Generic IRP version number provided