

**Source:** SA5 (Telecom Management)  
**Title:** 12.15 CR, "Correction of ASN.1 for QoS 'Delay Class' " (S5-000304)  
**Document for:** Approval  
**Agenda Item:** 6.5.3

---

Spec	CR	Phas	Subject	Ca	Versi	Versi	Doc-2nd-
12.15	A020	R99	Correction of ASN.1 for QoS 'Delay Class'	F	7.5.0	7.6.0	S5-000304

<b>CHANGE REQUEST</b>			Please see embedded help file at the bottom of this page for instructions on how to fill in this form correctly.		
<b>12.15 CR A020</b>		Current Version: <b>V.7.5.0</b>			
GSM (AA.BB) or 3G (AA.BBB) specification number ↑		↑ CR number as allocated by MCC support team			
For submission to: <b>SA#8</b>		for approval <input checked="" type="checkbox"/>		strategic <input type="checkbox"/>	
list expected approval meeting # here ↑		for information <input type="checkbox"/>		non-strategic <input type="checkbox"/> (for SMG use only)	

Form: CR cover sheet, version 2 for 3GPP and SMG      The latest version of this form is available from: <ftp://ftp.3gpp.org/Information/CR-Form-v2.doc>

**Proposed change affects:**      (U)SIM       ME       UTRAN / Radio       Core Network   
*(at least one should be marked with an X)*

**Source:**      SA5#12      **Date:**      9 June 2000

**Subject:**      Correction of ASN.1 for QoS 'Delay Class'

**Work item:**      \_\_\_\_\_

<b>Category:</b>	F Correction	<input checked="" type="checkbox"/>	<b>Release:</b>	Phase 2	<input type="checkbox"/>
	A Corresponds to a correction in an earlier release	<input type="checkbox"/>		Release 96	<input type="checkbox"/>
<i>(only one category shall be marked with an X)</i>	B Addition of feature	<input type="checkbox"/>		Release 97	<input type="checkbox"/>
	C Functional modification of feature	<input type="checkbox"/>		Release 98	<input checked="" type="checkbox"/>
	D Editorial modification	<input type="checkbox"/>		Release 99	<input type="checkbox"/>
				Release 00	<input type="checkbox"/>

**Reason for change:**      The ANS.1 syntax description for the parameter QoS 'Delay Class' in 12.15 is not consistent with the values for the parameters in GSM 04.08. Generally the QoS values defined in GSM 04.08 are encoded with a binary representation and the associated name. In GSM 12.15 the ASN.1 description follows the same convention Name / Value with the decimal equivalent. The exception to this is the QoS parameters for 'Delay Class'.

The proposal is to change these ASN.1 values to make them consistent with all other QoS values.

**Clauses affected:**      8.1

<b>Other specs affected:</b>	Other 3G core specifications	<input type="checkbox"/>	→ List of CRs:	
	Other GSM core specifications	<input type="checkbox"/>	→ List of CRs:	
	MS test specifications	<input type="checkbox"/>	→ List of CRs:	
	BSS test specifications	<input type="checkbox"/>	→ List of CRs:	
	O&M specifications	<input type="checkbox"/>	→ List of CRs:	

**Other comments:**      \_\_\_\_\_

---

## 8 Charging Data Record Structure

### 8.1 ASN.1 definitions for CDR information

Within the current GSM 12-series of specifications the ASN.1 definitions are based on X.208 [40] which has been superseded by X.680. This newer version not only includes new features but also removes some that were present in X.208. It was agreed that where possible, the GPRS work would be based on those ASN.1 features that were common to both. However, where necessary, the new features in X.680 [41] be used in some places. X.208 feature that are no longer in X.680 will not be used.

```
QoSDelay ::= ENUMERATED
{
  --
  -- See Quality of service TS GSM 04.08
  --
  delayClass1      (01),
  delayClass2      (12),
  delayClass3      (23),
  delayClass4      (34)
}
```