

ITU-T

TELECOMMUNICATION
STANDARDIZATION SECTOR
OF ITU

G.781

Corrigendum 1
(11/2009)

SERIES G: TRANSMISSION SYSTEMS AND MEDIA,
DIGITAL SYSTEMS AND NETWORKS

Digital terminal equipments – Principal characteristics of
multiplexing equipment for the synchronous digital
hierarchy

Synchronization layer functions

Corrigendum 1

Recommendation ITU-T G.781 (2008) – Corrigendum 1

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For further details, please refer to the list of ITU-T Recommendations.

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Summary

Corrigendum 1 to Recommendation ITU-T G.781 (2008) corrects:

- the quality level associated with Recommendation ITU-T G.8262/Y.1362, option II clock;
- a duplicate entry in Table 20;
- a mistake in a condition in the consequent action in clause 8.3.1.1;
- a mistake in the reference to the ESMC in clause 8.9.1.

Source

Corrigendum 1 to Recommendation ITU-T G.781 (2008) was approved on 13 November 2009 by ITU-T Study Group 15 (2009-2012) under Recommendation ITU-T A.8 procedures.

FOREWORD

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The World Telecommunication Standardization Assembly (WTSA), which meets every four years, establishes the topics for study by the ITU-T study groups which, in turn, produce Recommendations on these topics.

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Recommendation ITU-T G.781

Synchronization layer functions

Corrigendum 1

Modifications introduced by this corrigendum are shown in revision marks. Unchanged text is replaced by ellipsis (...). Some parts of unchanged text (clause numbers, etc.) may be kept to indicate the correct insertion points.

...

5.4.1.2 Option II synchronization networking

...

QL-ST3: Traceable to stratum 3 ([ITU-T G.812], type IV or [ITU-T G.8262], option II).

QL-SMC: Traceable to SONET clock self timed ([ITU-T G.813] ~~or~~ ~~[ITU-T G.8262],~~
~~option II~~).

...

5.5.1.2 Option II synchronization networking

...

- code 1010 (quality ST3), means that the source of the trail is a stratum 3 clock ([ITU-T G.812], type IV or [ITU-T G.8262], option II);
- code 1100 (quality SMC), means that the source of the trail is a SONET/Ethernet self-timed clock ([ITU-T G.813] ~~or~~ ~~[ITU-T G.8262],~~ ~~option II~~);

...

Table 20 – Conversion of quality levels for option II synchronization networks

CI_QL	CI_SSF	AI_QL
...		
QL-DUS	False	QL-DUS
QL- NSUPPDUS	False	QL-NSUPP
QL-UNC	True	QL-FAILED
All	True	QL-FAILED

...

8.3.1.1 Type 1 P12s to SD adaptation source for station clock output supporting SSM (P12s/SD-sc-1_A_So)

...

Consequent actions:

if (MI_QLmode == dis)

```

then  Sax[1-4] = 1111
      if (CI_SSF == true)
      then  AI_AISinsert = true
            RI_CS = none
      else  AI_AISinsert = false
            RI_CS = CI_CS
      fi
else  if (MI_SSMsupp == truefalse)
      then  Sax[1-4] = 1111
            if (CI_SSF == true) or (CI_QL < MI_QLminimum)
            then  AI_AISinsert = true
                  RI_CS = none
            else  AI_AISinsert = false
                  RI_CS = CI_CS
            fi
      else  AI_AISinsert = false
            if (CI_SSF == true)
            then  Sax[1-4] = 1111
                  RI_CS = none
            else  Sax[1-4] = SSM[CI_QL]
                  RI_CS = CI_CS
            fi
      fi
fi

```

...

8.9.1 ETH to SD adaptation source (ETH/SD_A_So)

...

The ~~ESSM-ESMC~~ message channel, specified in [ITU-T G.8264], defines 2 types of messages, event and information ones. The generation of an event-based message is triggered by a change of the SSM code, SD_CI_QL value, within the delay times (T_{HM} , T_{NSM} , T_{SM}) specified in clause 5.14. The information messages are generated with a periodicity of one second.

...

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