

International Telecommunication Union

ITU-T

TELECOMMUNICATION
STANDARDIZATION SECTOR
OF ITU

G.8031/Y.1342

Corrigendum 1
(06/2008)

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

Packet over Transport aspects – Ethernet over Transport
aspects

SERIES Y: GLOBAL INFORMATION
INFRASTRUCTURE, INTERNET PROTOCOL ASPECTS
AND NEXT-GENERATION NETWORKS

Internet protocol aspects – Transport

Ethernet linear protection switching

Corrigendum 1

ITU-T Recommendation G.8031/Y.1342 (2006) –
Corrigendum 1



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ITU-T Recommendation G.8031/Y.1342

Ethernet linear protection switching

Corrigendum 1

Summary

Corrigendum 1 to Recommendation ITU-T G.8031/Y.1342 clarifies clauses 11.13 (wait-to-restore timer) and 11.2.3 (non-revertive mode), and makes corrections to the far end requests defined in Annex A.

Source

Corrigendum 1 to ITU-T Recommendation G.8031/Y.1342 (2006) was approved on 6 June 2008 by ITU-T Study Group 15 (2005-2008) under the ITU-T Recommendation A.8 procedure.

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.

The approval of Recommendation ITU-T s is covered by the procedure laid down in WTSA Resolution 1.

In some areas of information technology which fall within ITU-T's purview, the necessary standards are prepared on a collaborative basis with ISO and IEC.

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ITU-T Recommendation G.8031/Y.1342

Ethernet linear protection switching

Corrigendum 1

1 Scope

Corrigendum 1 to Recommendation ITU-T G.8031/Y.1342 clarifies clauses 11.13 (wait-to-restore timer) and 11.2.3 (non-revertive mode), and makes corrections to the far end requests defined in Annex A.

2 Changes to ITU-T Recommendation G.8031/Y.1342

The following clauses contain changes to be made to ITU-T Recommendation G.8031/Y.1342.

2.1 Corrections to clause 11.13, wait-to-restore timer

Replace:

A SF (or SD if applicable) condition will override the WTR.

By:

A SF (or SD if applicable) condition will override the WTR. To activate WTR timer appropriately even when both ends concurrently detect clearance of SF, when the local state transits from SF to NR with the requested signal number 1, the previous local state, SF, should be memorized. If both the local state and far-end state are NR with the requested signal number 1, the local state transits to WTR only when the previous local state is SF. Otherwise, the local state transits to NR with the requested signal number 0.

2.2 Corrections to clause 11.2.3, non-revertive mode

Replace:

In the case of bidirectional protection switching operation, a local do not revert state is entered only when there is no higher priority of request received from the far end than that of the do not revert state.

By:

In the case of bidirectional protection switching operation, a local do not revert state is entered when there is no higher priority of request received from the far end than that of the do not revert state, or when both the local state and far-end state are NR with the requested signal number 1.

2.3 Corrections to clause A.1.2, far end requests

In Table A.2,

Replace:

B	No Request Working/Standby Protection/Active	NR [r/b=normal]	→A	→A	(→B)	(→B)	(→B)	(→B)	N/A	N/A	→A or →E ^{a)}	→A
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By:

B	No Request Working/Standby Protection/Active	NR [r/b=normal]	→A	→A	(→B)	(→B)	(→B)	(→B)	N/A	N/A	→A or →E ^{a)}	→A or →H ^{c)}
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Replace:

NOTE 1 – "N/A" means that the event is not expected to happen for the State. However if it does happen, the event should be ignored.
 NOTE 2 – "O" means that the request shall be overruled by the existing condition because it has an equal or a lower priority.
 NOTE 3 – "(→X)" represents that the state is not changed and remains the same state.
 a) If SF is reasserted.
 b) If SF-P is reasserted.

By:

NOTE 1 – "N/A" means that the event is not expected to happen for the State. However if it does happen, the event should be ignored.
 NOTE 2 – "O" means that the request shall be overruled by the existing condition because it has an equal or a lower priority.
 NOTE 3 – "(→X)" represents that the state is not changed and remains the same state.
 a) If SF is reasserted.
 b) If SF-P is reasserted.
 c) If the previous local state is SF (see clause 11.13).

2.4 Corrections to A.2.2, far end requests

In Table A.4,

Replace:

B	No Request Working/Standby Protection/Active	NR [r/b=normal]	→A	→A	(→B)	(→B)	(→B)	N/A	N/A	N/A	N/A	→A or →E ^{a)}	N/A	→H
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By:

B	No Request Working/Standby Protection/Active	NR [r/b=normal]	→A	→A	(→B)	(→B)	(→B)	N/A	N/A	N/A	N/A	→A or →E ^{a)}	N/A →H	→H
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2.5 Corrections to A.3.2, far end requests

In Table A.6,

Replace:

B	No Request Working/Standby Protection/Active	NR [r/b=normal]	→A	→A	(→B)	(→B)	(→B)	(→B)	N/A	N/A	→A or →E ^{a)}	→A
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By:

B	No Request Working/Standby Protection/Active	NR [r/b=normal]	→A	→A	(→B)	(→B)	(→B)	(→B)	N/A	N/A	→A or →E ^{a)}	→A or →H ^{c)}
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Replace:

<p>NOTE 1 – "N/A" means that the event is not expected to happen for the State. However if it does happen, the event should be ignored.</p> <p>NOTE 2 – "O" means that the request shall be overruled by the existing condition because it has an equal or a lower priority.</p> <p>NOTE 3 – "(→X)" represents that the state is not changed and remains the same state.</p> <p>a) If SF is reasserted.</p> <p>b) If SF-P is reasserted.</p>												
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By:

<p>NOTE 1 – "N/A" means that the event is not expected to happen for the State. However if it does happen, the event should be ignored.</p> <p>NOTE 2 – "O" means that the request shall be overruled by the existing condition because it has an equal or a lower priority.</p> <p>NOTE 3 – "(→X)" represents that the state is not changed and remains the same state.</p> <p>a) If SF is reasserted.</p> <p>b) If SF-P is reasserted.</p> <p>c) If the previous local state is SF (see clause 11.13).</p>												
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2.6 Corrections to A.4.2, far end requests

In Table A.8,

Replace:

B	No Request Working/Standby Protection/Active	NR [r/b=normal]	→A	→A	(→B)	(→B)	(→B)	N/A	N/A	N/A	N/A	→A or →E ^{a)}	N/A	→H
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By:

B	No Request Working/Standby Protection/Active	NR [r/b=normal]	→A	→A	(→B)	(→B)	(→B)	N/A	N/A	N/A	N/A	→A or →E ^{a)}	N/A →H	→H
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ITU-T Y-SERIES RECOMMENDATIONS

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AND NEXT-GENERATION NETWORKS**

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

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