

International Telecommunication Union

ITU-T

TELECOMMUNICATION
STANDARDIZATION SECTOR
OF ITU

G.994.1
Amendment 5
(02/2015)

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

Digital sections and digital line system – Metallic access
networks

Handshake procedures for digital subscriber line
transceivers

**Amendment 5: Additional codepoints for the
support of SAVN**

Recommendation ITU-T G.994.1 (2012) –
Amendment 5

ITU-T



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

Recommendation ITU-T G.994.1

Handshake procedures for digital subscriber line transceivers

Amendment 5

Additional codepoints for the support of SAVN

Summary

Amendment 5 to Recommendation ITU-T G.994.1 (2012) includes the following addition:

- Codepoints for the support of SAVN added to Table 11.67.1.

History

Edition	Recommendation	Approval	Study Group	Unique ID*
1.0	ITU-T G.994.1	1999-07-02	15	11.1002/1000/4720
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5.6	ITU-T G.994.1 (2007) Amd. 6	2010-11-29	15	11.1002/1000/11018
5.7	ITU-T G.994.1 (2007) Amd. 7	2011-04-13	15	11.1002/1000/11129
5.8	ITU-T G.994.1 (2007) Cor. 1	2011-10-29	15	11.1002/1000/11417
5.9	ITU-T G.994.1 (2007) Amd. 8	2011-12-16	15	11.1002/1000/11416
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6.1	ITU-T G.994.1 (2012) Amd. 1	2012-10-29	15	11.1002/1000/11797
6.2	ITU-T G.994.1 (2012) Amd. 2	2013-08-29	15	11.1002/1000/11994
6.3	ITU-T G.994.1 (2012) Amd. 3	2014-01-13	15	11.1002/1000/12093
6.4	ITU-T G.994.1 (2012) Amd. 4	2014-12-05	15	11.1002/1000/12094
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* To access the Recommendation, type the URL <http://handle.itu.int/> in the address field of your web browser, followed by the Recommendation's unique ID. For example, <http://handle.itu.int/11.1002/1000/11830-en>.

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 ITU-T Recommendations 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.

NOTE

In this Recommendation, the expression "Administration" is used for conciseness to indicate both a telecommunication administration and a recognized operating agency.

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As of the date of approval of this Recommendation, ITU had received notice of intellectual property, protected by patents, which may be required to implement this Recommendation. However, implementers are cautioned that this may not represent the latest information and are therefore strongly urged to consult the TSB patent database at <http://www.itu.int/ITU-T/ipr/>.

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Recommendation ITU-T G.994.1

Handshake procedures for digital subscriber line transceivers

Amendment 5

Additional codepoints for the support of SAVN

1) **Clause 9.4.34, ITU-T G.993.2 Par(2)/Par(3) parameters (Table 11.67.1)**

Modify Table 11.67.1 to include codepoints for the support of downstream SAVN as follows:

Table 11.67.1 – Standard information field – ITU-T G.993.2 NPar(2) coding – Octet 2

		Bits						
8	7	6	5	4	3	2	1	ITU-T G.993.2 NPar(2)s
x	x	x	x	x	x	x	1	ITU-T G.993.5-friendly ITU-T G.993.2 operation in the downstream direction
x	x	x	x	x	x	1	x	Alternative electrical length estimation method
x	x	x	x	x	1	x	x	Full ITU-T G.993.5-friendly ITU-T G.993.2 operation
x	x	x	x	1	x	x	x	Pilot sequence length multiple of 4 in full ITU-T G.993.5-friendly ITU-T G.993.2 operation
x	x	x	1	x	x	x	x	Upstream FDPS in full ITU-T G.993.5-friendly ITU-T G.993.2 operation
x	x	1	x	x	x	x	x	Reserved for allocation by ITU-T <u>Support of downstream SAVN</u>
x	x	0	0	0	0	0	0	No parameters in this octet

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