

# ITU-T

TELECOMMUNICATION  
STANDARDIZATION SECTOR  
OF ITU

## Q.3931.3

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SERIES Q: SWITCHING AND SIGNALLING

Signalling requirements and protocols for the NGN –  
Testing for next generation networks

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### **Performance benchmark for the PSTN/ISDN emulation subsystem of an IP multimedia system – Part 3: Traffic sets and traffic profiles**

Recommendation ITU-T Q.3931.3

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## Recommendation ITU-T Q.3931.3

### Performance benchmark for the PSTN/ISDN emulation subsystem of an IP multimedia system – Part 3: Traffic sets and traffic profiles

#### Summary

Recommendation ITU-T Q.3931.3 proposes the performance benchmark for the PSTN/ISDN emulation subsystem of an IP multimedia system – Part 3: Traffic sets and traffic profiles. This Recommendation endorses technical specification ETSI TS 186 025-3.

#### History

Edition	Recommendation	Approval	Study Group	Unique ID*
1.0	ITU-T Q.3931.3	2014-08-29	11	<a href="http://handle.itu.int/11.1002/1000/11830-en">11.1002/1000/12220</a>

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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>.

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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.

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# **Recommendation ITU-T Q.3931.3**

## **Performance benchmark for the PSTN/ISDN emulation subsystem of an IP multimedia system – Part 3: Traffic sets and traffic profiles**

### **1 Scope**

This Recommendation describes the core concepts of testing to establish a performance benchmark for an initial release of a PSTN/ISDN emulation subsystem (PES). The same tests can be used also for legacy PSTN/ISDN networks or for interworking tests between a PSTN/ISDN emulation subsystem and legacy PSTN and ISDN. The metrics measured and reported are for performance of this subsystem under a communications application load. The present Recommendation covers the third part of the following four performance aspects.

Part 1 – Core concepts

Part 2 – Subsystem configurations and benchmarks

**Part 3 – Traffic sets and traffic profiles**

Part 4 – Reference load network quality parameters

### **2 References**

The following ITU-T Recommendations and other references contain provisions which, through reference in this text, constitute provisions of this Recommendation. At the time of publication, the editions indicated were valid. All Recommendations and other references are subject to revision; users of this Recommendation are therefore encouraged to investigate the possibility of applying the most recent edition of the Recommendations and other references listed below. A list of the currently valid ITU-T Recommendations is regularly published. The reference to a document within this Recommendation does not give it, as a stand-alone document, the status of a Recommendation.

[ETSI TS 186 025-3] ETSI TS 186 025-3 V1.1.1 (2012-10), *IMS Network Testing (INT); IMS/PES Performance Benchmark; Part 3: Traffic Sets and Traffic Profiles*.

### **3 Definitions**

None.

### **4 Abbreviations and acronyms**

This Recommendation uses the following abbreviations and acronyms:

ISDN	Integrated Services Digital Network
PES	PSTN Emulation Solution
PSTN	Public Switched Telecommunications Network

### **5 Initial benchmark traffic set and traffic-time profile**

Clauses 4, 4.1 and 4.2 of [ETSI TS 186 025-3] apply.





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