



TETRA SwMI Interoperability Certificate

4 April 2002

Marconi Communications

Telelaboratoriet (TDC Mobil A/S) has witnessed that the Marconi/OTE infrastructure is operating in accordance with

TTR 001-02 v1.0.1 (Aug 2001), TETRA Interoperability Profile (TIP)
version 3 Part 2: Short Data Service

for the following features:

Features	Tested(Yes/No)
• MS to MS SDS types 1-3	Yes
• MS to Group SDS types 1-3	No
• MS to MS SDS type 4 without using SDS-TL	No
• MS to Group SDS type 4 without using SDS-TL	No
• MS to MS SDS type 4 using SDS-TL	Yes
• MS to Group SDS type 4 using SDS-TL	Yes

The tests have been performed on Marconi/OTE infrastructure during the period 23th and 26th-28th March 2001 with System Version 2.1.0, hardware release SCN-T774-0117/01, software release TETRA_SCN_7_6_15.

The test results for the tested features can be found in the table of this certificate.

Authorised IOP test engineer

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Telelaboratoriet (TDC Mobil A/S) has made every effort to ensure that tests have been made correctly, and in accordance with TIP V3 Short Data Service. Telelaboratoriet (TDC Mobil A/S) has no liability for the test results, or towards the manufacturers.

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Information about the equipment used for testing

The tests performed during the period 23th and 26th-28th March 2001 were performed using the following terminals:

Manufacturer	Terminal Type	Software/Hardware Release No.
Marconi/OTE ¹	PUMA T1	SW: 2.1.M HW: 02.01
Nokia	THR 420E	SW: HY11.03-9 HW: HRU420-02
Teltronic	MDT 400	SW: 01.02.01 HW: 01.03
Simoco Digital Systems	SRM1000	SW: 4313-327-84999 HW: MS1TT001T20C00000

Additional information about the tests performed

The tests were performed in the 380-400 MHz band. The SwMI was operating with the following configuration:

MCC	238
MNC	5
Colour code	44
LA1 (Høje Tåstrup) carrier frequency (BS Tx)	393.5875 MHz
LA2 (Høje Tåstrup) carrier frequency (BS Tx)	393.6875 MHz
PSTN gateway	43552609
Subscriber classes	FFFF ₁₆

Test Results

The table indicates whether or not tests addressing a specific requirement of the TIP specification have been performed, whether or not the requirement is applicable for the combination of the SwMI and the terminal, and the result of the test if executed. Each entry of the table may take one of six values: -: No test performed, N/A: Not applicable, P: Pass, F: Fail, I: Inconclusive or NTA: No test case being available. NTA will only be allocated if both SwMI and terminal has indicated that they support (comply with) the corresponding feature (requirement); if either has indicated the feature (requirement) as not being supported then the entry will be N/A. In case of all entries of a row being N/A it should be assumed that this feature is not supported by the SwMI.

The test results have been derived from examining the behaviour of a live system. The

¹ Terminals in their native system have not been targeted by IOP tests.



verdicts indicated are based on the log evaluation of the information exchange between the SwMI and the terminals indicated in the table. The verdicts reflect the fact that at the time of the IOP testing it was/was not possible to demonstrate a behaviour that was in accordance with the related requirement.

Tests performed during the period 23th and 26th-28th March 2001

Abbreviations:

- : Not performed.
- N/A: Not applicable
- P: Pass
- F: Fail
- I: Inconclusive
- NTA: No test case available

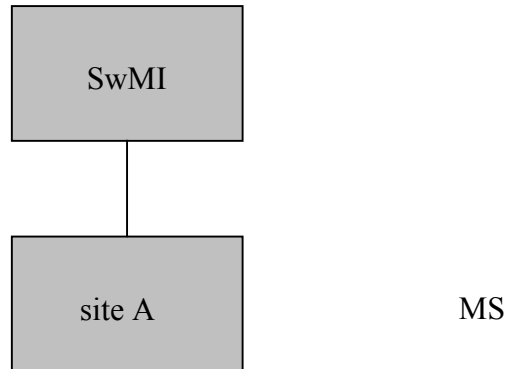
Marconi/OTE SwMI	Nokia THR 420E	Teltronic MDT 400	Simoco Digital Systems SRM1000
7 User defined data type 1, 2 and 3			
7 Type 1	NTA	NTA	NTA
7 Type 2	NTA	NTA	NTA
7 Type 3 (5.1)	P	P	N/A
8 User defined data type 4 without SDS-TL			
8.1 User defined data type 4 with SDS-TL			
8.1.2 MS to MS, Standard Report	NTA	NTA	NTA
8.1.2 MS to MS, Standard Report with Store and Forward	NTA	NTA	NTA
8.1.3 MS to MS, Short Report	NTA	NTA	NTA
8.2 Text messaging			
8.2.1.4 No acknowledgement requested (5.3)	P	P	P ¹
8.2.2 MS to MS, Short report (5.2)	P	P	P ¹

Comments:

1) The MS is connected to an external device (dispatcher).

Test setup description

All tests except the cell re-selection test are carried out on a single site system with one carrier using standard antenna configurations.



For the cell re-selection test, an additional site is activated and the roaming MS is connected to the system via RF cables as illustrated below.

