



IST doc.10

TETRA Terminal Interoperability Certificate

November 2002

NOKIA

| Manufacturer | Terminal Type | Software/Hardware Release No. | Dates of testing |
|--------------|---------------|-------------------------------|---------------------|
| Nokia | THR 880 | SW: TH4-2.01-0 HW: THR-4 | 15 November 2002 |

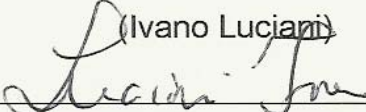
ISCTI (Istituto Superiore delle Comunicazioni e delle Tecnologie dell'Informazione) has witnessed that the NOKIA terminal is operating in accordance with:

TETRA Interoperability Profile:

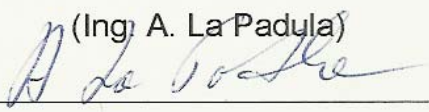
DMO - TTR 002-1 ver 1.0.3, November 2000

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

Authorised IOP test engineer

(Ivano Luciani)


Radio Office Manager

(Ing. A. La Padula)


ISCTI has made every effort to ensure that tests have been made correctly, and in accordance with the relevant TIPs. ISCTI has no liability for the test results, or towards the manufacturers.

ISCTI
V.le America 201
00144 Rome, Italy

Tif. +39 06 5444 2663
Fax +39 06 5410904

E-mail: Web-

site: <http://www.comunicazioni.it>



Information about the equipment used for testing

DMO testing during the November 2002 IOP Test Session:

The DMO tests were performed using the following terminals:

| Manufacturer | Terminal Type | Software/Hardware Release No. |
|--------------|---------------|---|
| Motorola | MTP700 | SW: V&D, SDS, DGNA, Packet Data tests, MR1.2 clear software used: R76.03.10; Air Interface Encryption tests, MR1.2 TEA2 software used: R78.03.10; Authentication tests, MR2.0 clear software used: D76.21.12b. HW: PMUE1825A |
| Motorola | MTH500 | SW: V&D, SDS, DGNA, Packet Data tests, MR1.2 clear software used: R70.03.10; Air Interface Encryption tests, MR1.2 TEA2 software used: R72.03.10; Authentication tests, MR2.0 clear software used: D70.21.12b. HW: FLF8000A |
| Nokia | THR 880 | SW: TH4-2.01-0 HW: THR-4 |
| Sepura | SRP 2000 | SW: 32V022 HW: IPNF10226E9A5HI |
| Sepura | SRM 1000 | SW: 31V004 HW: IPN480051F06IOS |
| Teltronic | MDT400 | SW: 040010 HW: 00030100 |

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Test Results

The test results are shown in the tables below.

Test results and the certificates from previous IOP test session are available on TETRA MoU web site (<http://www.tetramou.com/interoperability>).

Tables indicate whether or not tests addressing a specific requirement of the TIP specification have been performed, whether or not the requirement is applicable for the Terminals, and the result of the test if executed. Each entry of the table may take one of seven values:

- : No test performed.
- NTPA**: No Test Plan Available
- P** : Pass
- No** : Not supported by Terminal
- F** : Fail
- I** : Inconclusive

No test performed (-) is assigned in case of no test case performed during the IOP test session.

The test results have been derived from examining the behaviour of a live system. The verdicts indicated are based on the log evaluation of the information exchange between the SwMI and the terminals indicated in the following tables. 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.

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Table 1: Test performed DMO

| NOKIA THR 880 | Motorola MTH500 | Motorola MTP700 | Teltronic MDT400 | Sepura SRP1000 | Sepura SRP2000 |
|---|--------------------|--------------------|---------------------|-------------------|-------------------|
| 7 Activation and Deactivation of Direct Mode | | | | | |
| 7 Activation of Direct Mode | NTPA | NTPA | NTPA | NTPA | NTPA |
| 7 Deactivation of Direct Mode | NTPA | NTPA | NTPA | NTPA | NTPA |
| 8 Group call (Test case Number) | | | | | |
| 8.1 Call setup, Initiating (3.1) | P | P | P | P | P |
| 8.1 Call setup, Receiving known address (3.2) | P | P | P | P | P |
| 8.1 Call setup, Receiving unknown address(3.3) | P | P | P | P | P |
| 8.1 Call setup, Late entry (3.4) | P | P | P | P | P |
| 8.1 Call setup, Engaged terminal (3.8) | P | P | P | P | P |
| 8.1 Call setup, Occupied carrier (3.9) | P | P | P | P | P |
| 8.2 Ongoing call (3.1) | P | P | P | P | P |
| 8.2 Ongoing call, Expiry DT207 (3.7) | P | P | P | P | P |
| 8.3 Call release, Normal (3.1) | P | P | P | P | P |
| 8.3 Call release, Expiry DT311 (3.5) | P | P | P | P | P |
| 8.3 Call release, Expiry DT221 (3.6) | P | P | P | P | P |
| 8.4 Group address capability | NTPA | NTPA | NTPA | NTPA | NTPA |

Comments:

No comment

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