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Commissioning Check List, TCSM2

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Summary of changes

Changes between document issues are cumulative. Therefore, the latest document issue contains all changes made to previous issues.

Issue 1-0

The first issue of DN0191373.

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1 *Commissioning Check List, TCSM2* and related documents

The purpose of the *Commissioning Check List, TCSM2* is to list the phases of the commissioning work and to ensure the quality of commissioning work. The document provides the *Check list* (to be updated after each work phase) and the *Certificate of completion* (see the *Appendix*) for checking the commissioning procedure. In addition, the *Failure Report* (Nokia standard form) is generated during the work.

For further information, please refer to the following documents:

- *Commissioning TCSM2*

- *Installing the BSC and TCSM2*

- *Use of PCM Links in GSWB*, *Equipment List* and *Interconnection Cables* (*Site Documents*)

- *Packing List / Despatch Note*

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2 *Check list*

This chapter contains the test logs needed in the commissioning testing of the TCSM2E and TCSM2A (and TCSM2A-C).

The number (in parenthesis) after the title refers to a chapter or section in the *Commissioning TCSM2*; for example, *Checking the PCM circuit terminal type (4.2)* refers to section 4.2.

Please, record confirmation of the test execution and possible comments in the test logs.

2.1 Summary of the TCSM2 commissioning tests

Test No. (section)	Test Name	Pass/Fail	Fault No. / Notes
Checking the hardware functions			
3	Checking the interchangeability codes		
3	Checking the firmware (PROM) versions		
3	Checking the hardware versions and settings		
3	Checking the power supply		
3	Checking the local terminal interface		
3	Line parameters and terminal settings		
Configuring the TCSM2 unit			

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Test No. (section)	Test Name	Pass/Fail	Fault No. / Notes
4.2	Checking PCM circuit terminal type		
4.3	Automatic loading of the software		
4.4	Loading the software from diskette		
4.5	Uploading and downloading the configuration files		
4.6	Configuring transcoder PCM types		
4.7	Configuring the synchronization		
4.8	Configuring the E1 interfaces (ETSI)		
4.9	Configuring the T1 interfaces (ANSI)		
4.10	Other transcoder configuration procedures (ETSI, ANSI)		
4.11	Configuring Acoustic Echo Cancelling (optional)		
4.12	Configuring Tandem Free Operation (optional)		
4.13	Configuring Noise Suppression (optional)		
4.14	Alarm handling		
4.15	Saving the configuration		
Testing the TCSM2 unit configurations			
5.1	Running the diagnostics tests		
5.2	Testing the power supply alarms of the TCSM2		
5.3	Testing power break recovery in the TCSM2		

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2.2   Inspection test logs

2.2.1   Checking the interchangeability codes (3)

Cartridge	Plug-in unit	Code	Notes
TC1C			
ET1TC			
	TRCO		
	ET2E/ET2A		
	ET2E/ET2A		
	ET2E/ET2A		
	ET2E/ET2A		
	ET2A *)		
	ET2E *)		
	ET2E *)		
	ET2E *)		
Checked by		Date	

*) TCSM2A-C

2.2.2   Checking the firmware (PROM) versions (3)

Plug-in unit	Version	Notes
TRCO		
ET2E/ET2A		
ET2E/ET2A		
ET2E/ET2A		
ET2E/ET2A		
ET2A *)		
ET2E *)		

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Plug-in unit	Version	Notes
ET2E *)		
ET2E *)		
Checked by		Date

*) TCSM2A-C

2.2.3 Checking the hardware versions and settings (3)

Plug-in unit	Version	Standard settings	Optional settings	Notes
TRCO				
TR16/TR12-0				
TR16/TR12-1				
TR16/TR12-2				
TR16/TR12-3				
TR16/TR12-4				
TR16/TR12-5				
TR16/TR12-6				
TR16/TR12-7				
TR16/TR12-8				
TR16/TR12-9				
TR16/TR12-10				
TR16/TR12-11				
TR16/TR12-12				
TR16/TR12-13				
ET2E/ET2A-0				
ET2E/ET2A-1				
ET2E/ET2A-2				
ET2E/ET2A-3				
ET2A-0 *)				
ET2E-1 *)				

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Plug-in unit	Version	Standard settings	Optional settings	Notes
ET2E-2 *)				
ET2E-3 *)				
Checked by			Date	

*) TCSM2A-C

2.2.4 Checking the power supply (3)

Observations
Checked by   Date

2.2.5 Checking the local terminal interface (3)

Observations

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Observations
Checked by   Date

2.2.6   Line parameters and terminal settings (3)

Observations
Checked by   Date

2.2.7   Checking the PCM circuit terminal type (4.2)

Observations
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2.2.8 Automatic loading of the software (4.3)

Observations
Checked by   Date

2.2.9 Loading the software from diskette (4.4)

Observations
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2.2.10 Uploading and downloading the configuration files (4.5)

File name	Observations
Checked by	Date

2.2.11 Configuring the transcoder PCM types (4.6)

T1/E1 circuit	Type (FR, EFR, HR, D144, HS2, HS4, AMR)	Observations
PCM-1		
PCM-2		
PCM-3		
PCM-4		
PCM-5		
PCM-6		
PCM-7		
Checked by	Date	

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2.2.12   Configuring the synchronization (4.7)

T1/E1 circuit	Used input	Priority	Observations
PCM-1			
PCM-2			
PCM-3			
PCM-4			
PCM-5			
PCM-6			
PCM-7			
Checked by		Date	

2.2.13   Configuring the E1 interfaces – ETSI (4.8)

Phase	Observations
Setting the through-connected channels in the TCSM2E	
Modifying the E1 functional modes in the TCSM2E	
Checked by	Date

2.2.14 Configuring the T1 interfaces – ANSI (4.9)

Phase	Observations
Setting the through-connected channels in the TCSM2A	
Modifying the T1 functional modes in the TCSM2A	
Modifying the E1/T1 functional modes in the TCSM2A-C	
Checked by	Date

2.2.15 Other transcoder configuration procedures – ETSI, ANSI (4.10)

Phase	Observations
Display channel configuration	
Transcoder configuration commands	
Supervision commands for ET2A/ET2E units	

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Phase	Observations
Checked by	Date

2.2.16   Configuring Acoustic Echo Cancellation – optional (4.11)

AEC set	DTX set	Observations
Checked by		Date

2.2.17   Configuring Tandem Free Operation – optional (4.12)

TFO set	DTX set	Observations

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TFO set	DTX set	Observations
Checked by		Date

2.2.18   Configuring Noise Suppression – optional (4.13)

NS set	DTX set	Observations
Checked by:		Date:

2.2.19   Alarm handling (4.14)

Alarm type	Notes
Wired alarm handling	
Far-end alarm handling (ETSI)	Notes
Far-end alarm handling (ANSI)	

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Alarm type	Notes
Checked by	Date

2.2.20 Saving the configuration (4.15)

Observations
Checked by   Date

2.2.21 Running the diagnostics test (5.1)

Test	OK	Observations
Local diagnostics		
Remote diagnostics from the BSC		

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Test	OK	Observations
The alarm system of the TCSM2		
Checked by		Date

2.2.22   Testing the power supply alarms of the TCSM2 (5.2)

Alarm	OK	Observations
Checked by		Date

2.2.23   Testing power break recovery in the TCSM2 (5.3)

Observations
Checked by   Date

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Appendix A.

A.1 Certificate of completion

CUSTOMER NAME	_____	SITE ADDRESS
DELIVERY NO.	_____	_____
SITE NAME	_____	_____
SITE NO.	_____	_____

SOFTWARE	
RELEASE	_____

STAGE	COMPLETE/ OK (Initials)	COMMENTS/ DEFICIENCY
Checking the hardware functions	_____	_____
Configuring the TCSM2 unit	_____	_____
Testing the TCSM2 unit configurations	_____	_____

DN00295059

Date _____

TCSM2 commissioned by_____

(Also Print Name)

Customer   _____

(Also Print Name)

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