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Equipment List for TCSM2E

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Summary of changes

Summary of changes

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

Changes between Issues 6-1 and 6-0

From January 2006 onwards, the following changes take place in S11.5 and S11 first deliveries:

- new ET2 variants ET2E-TB and ET2E-TCB (from 01/2006 onwards),
- ET2A-TB (from 02/2006 onwards)

From February 2006 onwards, the new ET2 variants will also be included in S10.5 first deliveries:

Changes between Issues 6-0 and 5-1

Release S11 or later: Information on new ET2E-T and ET2E-TC plug-in units added.

Changes between Issues 5-1 and 5-0

Document identification changed to DN00157753 Issue 5-1 from CBE 28722/5 (V) en.

Changes between Issues 5-0 and 4-0

CBE 28722/5 en (14.3.2000). The fifth approved version (Release S9 or later). In new deliveries, ET2E-S and ET2E-SC plug-in units will replace the ET2E and ET2E-C plug-in units used earlier.

Changes between Issues 4-0 and 3-0

CBE 28722/4 en (30.3.1998). The fourth updated version. The PSC1-S plug-in unit (for new S7 deliveries) added to configurations.

Changes between Issues 3-0 and 2-0

CBE 28722/3 en (28.8.1996). The third updated version. Names for mechanical structures updated (page 11).

1 About this document

This document provides a list of all hardware (HW) products (rack mechanics, cartridges, plug-in units and required accessories) of DX 200 TCSM2E. The actual equipment list (in chapter *Equipment lists*) includes the physical positions of hardware items inside the rack. The document is used both as a guidance when building the TCSM2Es either in the factory or on customer's site and as a document in the *Site Documents* manual. TCSM2 is a general name for the second generation Transcoder (Submultiplexer) equipment; TCSM2A stands for an ANSI version and TCSM2E for an ETSI version of the transcoder. In this document, the name TCSM2E is used in the following two meanings:

- TCSM2E unit: The unit (group of cartridges and their plug-in units) responsible for transcoding and submultiplexing the traffic channels carried by a single T1 line (PCM circuit) between the BSC and the transcoding site;
- TCSM2E equipment: The assembly of racks housing the TCSM2E units of one or more BSCs.

Functionally the TCSM2E units are functional units of the BSC, but geographically the TCSM2E equipment can be located either on BSC (Base Station Controller) site or MSC (Mobile Switching Center) site.

1.1 Notations used in Equipment lists

The positions are presented in a form of a table. The table (in chapter *Equipment lists*) has following six columns:

- *Position* shows the coordinates inside the rack and the number of the slot in the cartridge. (F = Front, B = Back, R = Upper, S = Lower)
- *Identification* shows the identification code of the rack, cartridge, plug-in unit or accessory.
- *Name* shows the abbreviated name of the HW product for the identification code in the previous column.

- *Cartridge* shows either the name and number of the cartridge or functional unit (TCSM2Ex) equipped into the cartridge in this particular position.
- *FU* shows the name and number of the functional unit, which contains the plug-in units listed below and equipped to this cartridge position.
- *Notes* column includes additional information, for example, the number of the plug-in unit 0...13.

1.2 Typographic conventions

The following table presents the conventions used in the BSC and TCSM2 manuals.

Table 1. Typographic conventions.

<i>Emphasized font</i>	Indicates a reference to a manual, chapter or section, for example: See Chapter <i>Installation</i> .
	Indicates a word or phrase that is emphasized, for example: second column (<i>Rack</i>) shows.

1.3 Your comments

We are always interested to know whether our manuals provide the information you want. If you have any comments about this document or any Nokia manual, please pass them on to your local Nokia sales representative.

2 Equipping rules

This chapter provides information on the equipping rules of the TCSM2E racks and introduction to equipping listings shown in the following chapter.

2.1 Introduction

This TCSM2E is composed of one TC2E type rack, which include all the units of the TCSM2E. When delivered from the factory the TC2E rack is equipped with all cartridges and internal cables needed in maximum configuration. The total number of ET2Es can be chosen by customer and the plug-in units of the cartridges are equipped according to that choice.

2.2 Unit configurations

The maximum configuration of the TC2E rack is up to eight TCSM2E units. The maximum configuration of each TCSM2E unit is shown in table below.

Table 2. Maximum configuration of the TCSM2E application.

Minimum	Maximum
one PSC1-S	one PSC1-S
one TRCO	one TRCO
two TR16-Ss	fourteen TR16-Ss
one ET2E-S or ET2E-SC; one ET2E-T/-TB or ET2E-TC/-TCB in new deliveries (S11 or later)	four ET2E-Ss or ET2E-SCs; four ET2E-T/-TBs or ET2E-TC/-TCBs in new deliveries (S11 or later)

2.3 Equipping the ET1TC cartridges with plug-in units

The maximum configuration of the ET1TC is shown in the figure below. The cartridge consists of a varying number of plug-in units depending on the channel type, as described in section *Configuring the TC1C and ET1TC cartridges for FR, EFR, HR and HSCSD use* .

Equip the ET2E plug-in units into the ET1TC cartridge in the following order:

Table 3. Interfaces available at ET2E plug-in units. Interfaces 5, 6 and 7 are available in the HR application.

Line interface number for TCSM2E	Upper and lower row in ET1TC
0 / BSC 1 / MSC	ET2E-S(-SC) 0; ET2E-T(-TC)/ ET2E-TB (-TCB) 0 in new deliveries (S11 or later)
2 / MSC 3 / MSC	ET2E-S(-SC) 1; ET2E-T(-TC)/ ET2E-TB (-TCB) 1 in new deliveries (S11 or later)
4 / MSC 5 / MSC	ET2E-S(-SC) 2; ET2E-T(-TC)/ ET2E-TB (-TCB) 2 in new deliveries (S11 or later)
6 / MSC 7 / MSC	ET2E-S(-SC) 3 ; ET2E-T(-TC)/ ET2E-TB (-TCB) 3 in new deliveries (S11 or later)

The unit ET2E-S(-SC) 0 / ET2E-T(-TC)/ ET2E-TB (-TCB) 0 handles the traffic channels for BSC trunk (E1 interface number 0) and the channels for the first MSC trunk. The other units, ET2E-S(-SC) 1 / ET2E-T(-TC)/ ET2E-TB (-TCB) 1 handles the traffic channels for MSC trunks 2 and 3, and ET2E-S(-SC) 2 / ET2E-T(-TC)/ ET2E-TB (-TCB) 2 handles the traffic channel 4, and interface 5 in the HR application. ET2E-S(-SC) 3 / ET2E-T(-TC)/ ET2E-TB (-TCB) 3 is needed in the HR application (8 kbit/s submultiplexing).

The configuration of the ET1TC is shown in the figure below. The cartridge consists of up to eight ET2E-S(-SC) / ET2E-T(-TC)/ ET2E-TB (-TCB) plug-in units in new deliveries (S11 or later), four per each TCSM2E.

Note

In first deliveries after 01/2006, only ET2E-TB and ET2E-TCB plug-in units are delivered.

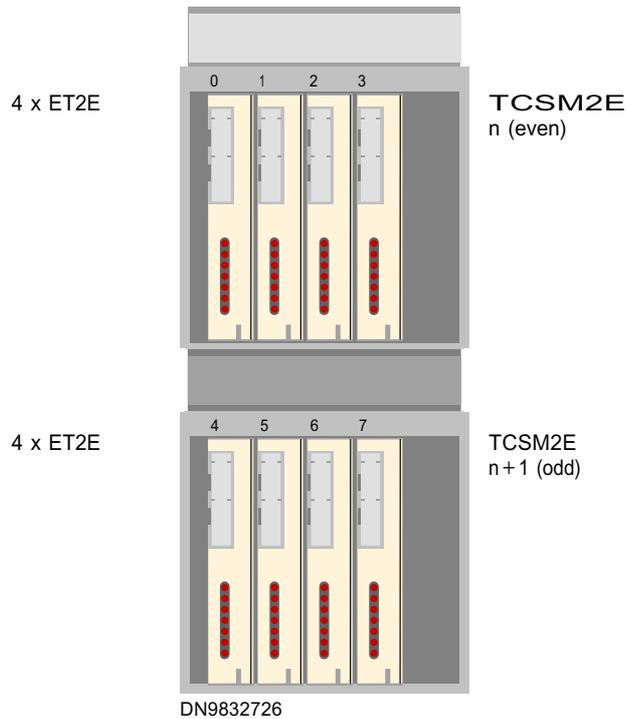


Figure 1. Equipping the ET1TC cartridge in the TCSM2E application (maximum configuration)

2.4 Equipping the TC1C cartridges with plug-in units

The maximum configuration of the TC1C is shown in the figure below. The cartridge consists of a varying number of plug-in units depending on the channel type, as described in section *Configuring the TC1C and ET1TC cartridges for FR, EFR, HR and HSCSD use*.

Note

After each plug-in unit name in an equipment list there may be a letter, for example, S or T, meaning the variant of the plug-in unit.

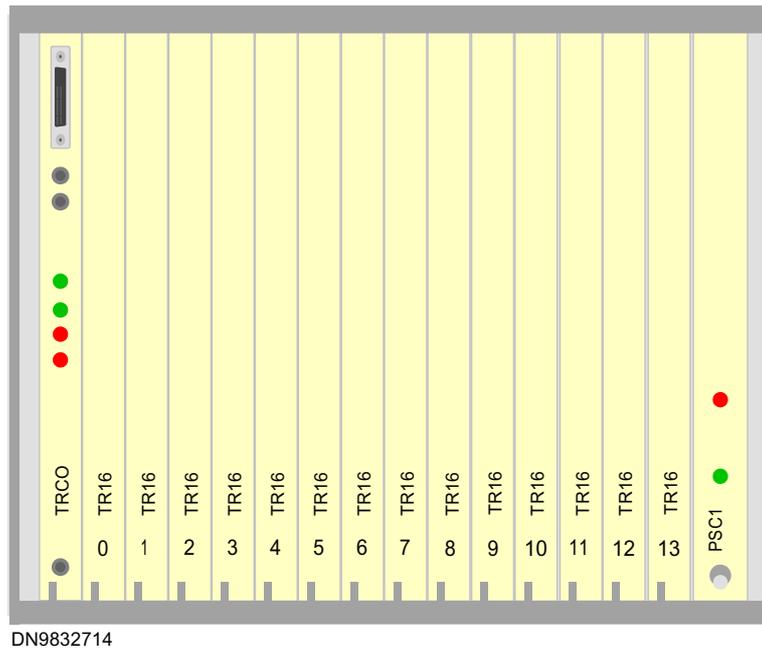


Figure 2. Equipping the TC1C cartridge in the TCSM2E application (maximum configuration)

2.5 Configuring the TC1C and ET1TC cartridges for FR, EFR, HR and HSCSD use

Listed in the tables below are the maximum numbers of the Exchange Terminal ET2E-S(-SC) / ET2E-T(-TC)/ ET2E-TB(-TCB) plug-in units in new deliveries (S11 or later) and Transcoder plug-in (TR16-S) units required for processing full-rate (FR), enhanced full-rate (EFR), half-rate (HR) and HSCSD (HS2 and HS4) traffic. The configurations given in the Tables represent the special cases when the whole TCSM2 unit is allocated to handle calls of the same type, with the maximum traffic channel capacity in use.

For mixed allocations and configurations where the capacity of the TCSM2 is only partially utilized, the exact number of plug-in units needed must be determined separately, as it depends on the types of calls processed and the number of lines allocated to calls of each type, as well as on the number of active traffic channels.

Table 4. The maximum numbers of TR16-S plug-in units required for different types of traffic.

Channel type	Max. number of TR16-S plug-in units in TC1C cartridge
FR/EFR	8
HR	14
HS2	4
HS4	2

Table 5. The maximum numbers of ET2 plug-in units in new deliveries (S11 or later) required for different types of traffic.

Channel type	Max. number of ET2E-S and ET2E-SC / ET2E-T / ET2ETB and ET2E-TC / ET2E-TCB plug-in units in ET1TC cartridge
FR/EFR	3
HR	4
HS2	2
HS4	1

2.6 Cartridge and functional unit positions

The figure below shows the cartridge and functional unit and cartridge positions for one-rack configuration.

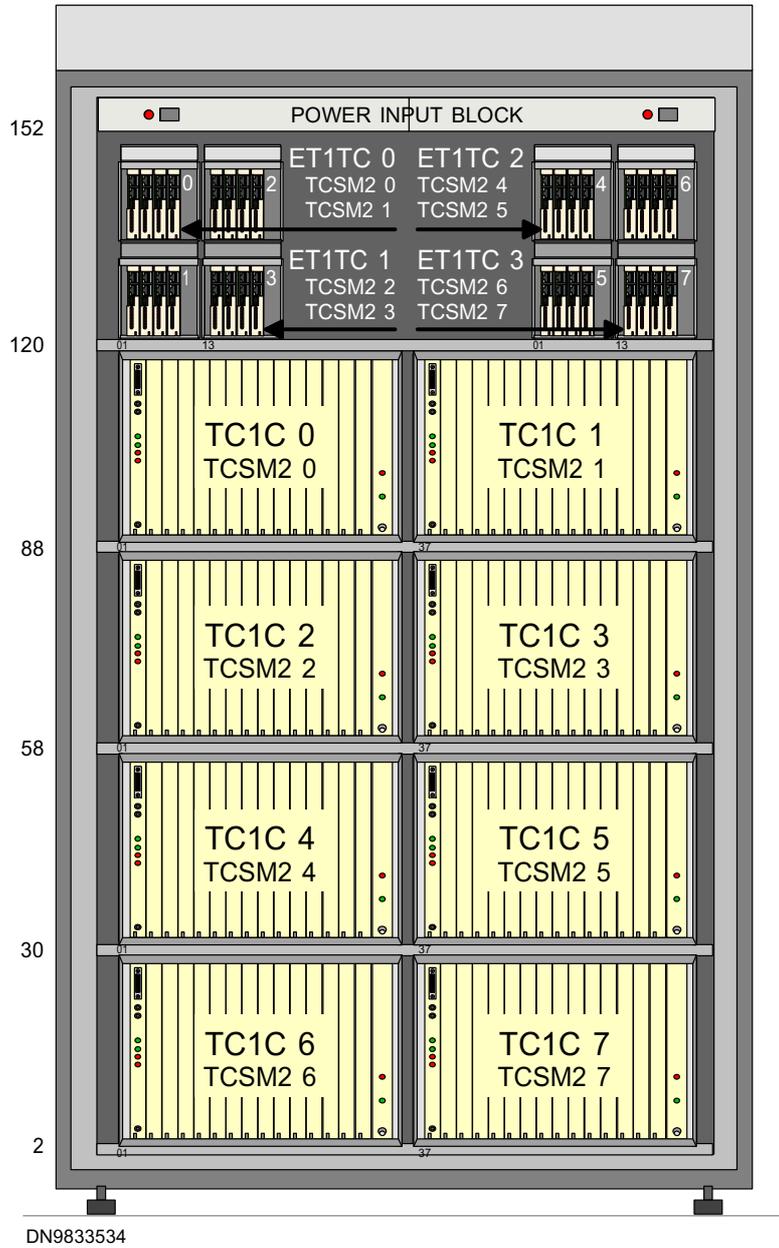


Figure 3. Cartridge and functional unit positions in TCSM2E configuration

3

Equipment lists

This chapter provides the equipping lists for (one-rack) configuration of the TCSM2E.

Note

These lists include the most recent variant. All accepted item types are listed in the *Revision List* document.

3.1 Equipment list for standard TCSM2E items

Note

ET2E-TB and ET2E-TCB are the only variants in first deliveries from 01/2006 onwards.

Position		Identification	Name	Cartridge	FU	Notes
TC2E	1A					
		C28980	R198A-T			
161.00.	F00	C28580	UFS81-S			
162.37.	F00	C22074	PSCG5			
152.13.	F00	C29336	PSA20-T			
152.43.	F00	C29336	PSA20-T			

Position		Identification	Name	Cartridge	FU	Notes
148.07.	B00	C29337	PSFP-T			
148.45.	B00	C29337	PSFP-T			
146.00.	B00	C19874	CSS82			
120.00.	F00	C23696	CS8A-T			
114.00.	B00	C22762	CSS80			
088.00.	F00	C23696	CS8A-T			
082.00.	B00	C22762	CSS80			
058.00.	F00	C23696	CS8A-T			
052.00.	B00	C22762	CSS80			
030.00.	F00	C23696	CS8A-T			
024.00.	B00	C22762	CSS80			
002.00.	F00	C23696	CS8A-T			
120.01.		C08787	ET1TC	ET1TC 0		
	F00.R	C08901/ C08902/ C110306/ C105507/ C110307/ C105508	ET2E-S/ ET2E-SC/ ET2E-TB/ ET2E-T/ ET2E-TCB/ ET2E-TC		TCSM2E 0	0
	F01.R	C08901/ C08902/ C110306/ C105507/ C110307/ C105508	ET2E-S/ ET2E-SC/ ET2E-TB/ ET2E-T/ ET2E-TCB/ ET2E-TC			1

Position		Identification	Name	Cartridge	FU	Notes
	F02.R	C08901/ C08902/ C110306/ C105507/ C110307/ C105508	ET2E-S/ ET2E-SC/ ET2E-TB/ ET2E-T/ ET2E-TCB/ ET2E-TC			2
	F03.R	C08901/ C08902/ C110306/ C105507/ C110307/ C105508	ET2E-S/ ET2E-SC/ ET2E-TB/ ET2E-T/ ET2E-TCB/ ET2E-TC			3
	F04.S	C08901/ C08902/ C110306/ C105507/ C110307/ C105508	ET2E-S/ ET2E-SC/ ET2E-TB/ ET2E-T/ ET2E-TCB/ ET2E-TC		TCSM2E 1	0
	F05.S	C08901/ C08902/ C110306/ C105507/ C110307/ C105508	ET2E-S/ ET2E-SC/ ET2E-TB/ ET2E-T/ ET2E-TCB/ ET2E-TC			1
	F06.S	C08901/ C08902/ C110306/ C105507/ C110307/ C105508	ET2E-S/ ET2E-SC/ ET2E-TB/ ET2E-T/ ET2E-TCB/ ET2E-TC			2

Position		Identification	Name	Cartridge	FU	Notes
	F07.S	C08901/ C08902/ C110306/ C105507/ C110307/ C105508	ET2E-S/ ET2E-SC/ ET2E-TB/ ET2E-T/ ET2E-TCB/ ET2E-TC			3
120.13.		C08787	ET1TC	ET1TC 1		0
	F00.R	C08901/ C08902/ C110306/ C105507/ C110307/ C105508	ET2E-S/ ET2E-SC/ ET2E-TB/ ET2E-T/ ET2E-TCB/ ET2E-TC		TCSM2E 2	0
	F01.R	C08901/ C08902/ C110306/ C105507/ C110307/ C105508	ET2E-S/ ET2E-SC/ ET2E-TB/ ET2E-T/ ET2E-TCB/ ET2E-TC			1
	F02.R	C08901/ C08902/ C110306/ C105507/ C110307/ C105508	ET2E-S/ ET2E-SC/ ET2E-TB/ ET2E-T/ ET2E-TCB/ ET2E-TC			2
	F03.R	C08901/ C08902/ C110306/ C105507/ C110307/ C105508	ET2E-S/ ET2E-SC/ ET2E-TB/ ET2E-T/ ET2E-TCB/ ET2E-TC			3

Position	Identification	Name	Cartridge	FU	Notes
F04.S	C08901/ C08902/ C110306/ C105507/ C110307/ C105508	ET2E-S/ ET2E-SC/ ET2E-TB/ ET2E-T/ ET2E-TCB/ ET2E-TC		TCSM2E 3	0
F05.S	C08901/ C08902/ C110306/ C105507/ C110307/ C105508	ET2E-S/ ET2E-SC/ ET2E-TB/ ET2E-T/ ET2E-TCB/ ET2E-TC			1
F06.S	C08901/ C08902/ C110306/ C105507/ C110307/ C105508	ET2E-S/ ET2E-SC/ ET2E-TB/ ET2E-T/ ET2E-TCB/ ET2E-TC			2
F07.S	C08901/ C08902/ C110306/ C105507/ C110307/ C105508	ET2E-S/ ET2E-SC/ ET2E-TB/ ET2E-T/ ET2E-TCB/ ET2E-TC			3
120.49.	C08787	ET1TC	ET1TC 2		
F00.R	C08901/ C08902/ C110306/ C105507/ C110307/ C105508	ET2E-S/ ET2E-SC/ ET2E-TB/ ET2E-T/ ET2E-TCB/ ET2E-TC		TCSM2E 4	0

Position	Identification	Name	Cartridge	FU	Notes
F01.R	C08901/ C08902/ C110306/ C105507/ C110307/ C105508	ET2E-S/ ET2E-SC/ ET2E-TB/ ET2E-T/ ET2E-TCB/ ET2E-TC			1
F02.R	C08901/ C08902/ C110306/ C105507/ C110307/ C105508	ET2E-S/ ET2E-SC/ ET2E-TB/ ET2E-T/ ET2E-TCB/ ET2E-TC			2
F03.R	C08901/ C08902/ C110306/ C105507/ C110307/ C105508	ET2E-S/ ET2E-SC/ ET2E-TB/ ET2E-T/ ET2E-TCB/ ET2E-TC			3
F04.S	C08901/ C08902/ C110306/ C105507/ C110307/ C105508	ET2E-S/ ET2E-SC/ ET2E-TB/ ET2E-T/ ET2E-TCB/ ET2E-TC		TCSM2E 5	0
F05.S	C08901/ C08902/ C110306/ C105507/ C110307/ C105508	ET2E-S/ ET2E-SC/ ET2E-TB/ ET2E-T/ ET2E-TCB/ ET2E-TC			1

Position		Identification	Name	Cartridge	FU	Notes
	F06.S	C08901/ C08902/ C110306/ C105507/ C110307/ C105508	ET2E-S/ ET2E-SC/ ET2E-TB/ ET2E-T/ ET2E-TCB/ ET2E-TC			2
	F07.S	C08901/ C08902/ C110306/ C105507/ C110307/ C105508	ET2E-S/ ET2E-SC/ ET2E-TB/ ET2E-T/ ET2E-TCB/ ET2E-TC			3
120.61.		C08787	ET1TC	ET1TC 3		
	F00.R	C08901/ C08902/ C110306/ C105507/ C110307/ C105508	ET2E-S/ ET2E-SC/ ET2E-TB/ ET2E-T/ ET2E-TCB/ ET2E-TC		TCSM2E 6	0
	F01.R	C08901/ C08902/ C110306/ C105507/ C110307/ C105508	ET2E-S/ ET2E-SC/ ET2E-TB/ ET2E-T/ ET2E-TCB/ ET2E-TC			1
	F02.R	C08901/ C08902/ C110306/ C105507/ C110307/ C105508	ET2E-S/ ET2E-SC/ ET2E-TB/ ET2E-T/ ET2E-TCB/ ET2E-TC			2

Position	Identification	Name	Cartridge	FU	Notes
	F03.R	C08901/ C08902/ C110306/ C105507/ C110307/ C105508	ET2E-S/ ET2E-SC/ ET2E-TB/ ET2E-T/ ET2E-TCB/ ET2E-TC		3
	F04.S	C08901/ C08902/ C110306/ C105507/ C110307/ C105508	ET2E-S/ ET2E-SC/ ET2E-TB/ ET2E-T/ ET2E-TCB/ ET2E-TC	TCSM2E 7	0
	F05.S	C08901/ C08902/ C110306/ C105507/ C110307/ C105508	ET2E-S/ ET2E-SC/ ET2E-TB/ ET2E-T/ ET2E-TCB/ ET2E-TC		1
	F06.S	C08901/ C08902/ C110306/ C105507/ C110307/ C105508	ET2E-S/ ET2E-SC/ ET2E-TB/ ET2E-T/ ET2E-TCB/ ET2E-TC		2
	F07.S	C08901/ C08902/ C110306/ C105507/ C110307/ C105508	ET2E-S/ ET2E-SC/ ET2E-TB/ ET2E-T/ ET2E-TCB/ ET2E-TC		3
088.01.		C08783	TC1C	TC1C 0	TCSM2E 0
	F00	C08773	TRC0		

Position		Identification	Name	Cartridge	FU	Notes
	F01	C08841	TR16-S			0
	F02	C08841	TR16-S			1
	F03	C08841	TR16-S			2
	F04	C08841	TR16-S			3
	F05	C08841	TR16-S			4
	F06	C08841	TR16-S			5
	F07	C08841	TR16-S			6
	F08	C08841	TR16-S			7
	F09	C08841	TR16-S			8
	F10	C08841	TR16-S			9
	F11	C08841	TR16-S			10
	F12	C08841	TR16-S			11
	F13	C08841	TR16-S			12
	F14	C08841	TR16-S			13
	F15	C08544/	PSC1/			
	F15	C08860	PSC1-S			New deliveries
088.37		C08783	TC1C	TC1C 1	TCSM2E 1	
	F00	C08773	TRC0			
	F01	C08841	TR16-S			0
	F02	C08841	TR16-S			1
	F03	C08841	TR16-S			2
	F04	C08841	TR16-S			3
	F05	C08841	TR16-S			4
	F06	C08841	TR16-S			5
	F07	C08841	TR16-S			6

Position		Identification	Name	Cartridge	FU	Notes
	F08	C08841	TR16-S			7
	F09	C08841	TR16-S			8
	F10	C08841	TR16-S			9
	F11	C08841	TR16-S			10
	F12	C08841	TR16-S			11
	F13	C08841	TR16-S			12
	F14	C08841	TR16-S			13
	F15	C08544/	PSC1/			
	F15	C08860	PSC1-S			New deliveries
058.01.		C08783	TC1C	TC1C 2	TCSM2E 2	
	F00	C08773	TRC0			
	F01	C08841	TR16-S			0
	F02	C08841	TR16-S			1
	F03	C08841	TR16-S			2
	F04	C08841	TR16-S			3
	F05	C08841	TR16-S			4
	F06	C08841	TR16-S			5
	F07	C08841	TR16-S			6
	F08	C08841	TR16-S			7
	F09	C08841	TR16-S			8
	F10	C08841	TR16-S			9
	F11	C08841	TR16-S			10
	F12	C08841	TR16-S			11
	F13	C08841	TR16-S			12
	F14	C08841	TR16-S			13

Position		Identification	Name	Cartridge	FU	Notes
	F15	C08544/	PSC1/			
	F15	C08860	PSC1-S			New deliveries
058.37.		C08783	TC1C	TC1C3	TCSM2E 3	
	F00	C08773	TRC0			
	F01	C08841	TR16-S			0
	F02	C08841	TR16-S			1
	F03	C08841	TR16-S			2
	F04	C08841	TR16-S			3
	F05	C08841	TR16-S			4
	F06	C08841	TR16-S			5
	F07	C08841	TR16-S			6
	F08	C08841	TR16-S			7
	F09	C08841	TR16-S			8
	F10	C08841	TR16-S			9
	F11	C08841	TR16-S			10
	F12	C08841	TR16-S			11
	F13	C08841	TR16-S			12
	F14	C08841	TR16-S			13
	F15	C08544/	PSC1/			
	F15	C08860	PSC1-S			New deliveries
030.01.	C08783	TC1C		TC1C 4	TCSM2E 4	
	F00	C08773	TRC0			
	F01	C08841	TR16-S			0
	F02	C08841	TR16-S			1

Position		Identification	Name	Cartridge	FU	Notes
	F03	C08841	TR16-S			2
	F04	C08841	TR16-S			3
	F05	C08841	TR16-S			4
	F06	C08841	TR16-S			5
	F07	C08841	TR16-S			6
	F08	C08841	TR16-S			7
	F09	C08841	TR16-S			8
	F10	C08841	TR16-S			9
	F11	C08841	TR16-S			10
	F12	C08841	TR16-S			11
	F13	C08841	TR16-S			12
	F14	C08841	TR16-S			13
	F15	C08544/	PSC1/			
	F15	C08860	PSC1-S			New deliveries
030.37.		C08783	TC1C	TC1C 5	TCSM2E 5	
	F00	C08773	TRC0			
	F01	C08841	TR16-S			0
	F02	C08841	TR16-S			1
	F03	C08841	TR16-S			2
	F04	C08841	TR16-S			3
	F05	C08841	TR16-S			4
	F06	C08841	TR16-S			5
	F07	C08841	TR16-S			6
	F08	C08841	TR16-S			7
	F09	C08841	TR16-S			8

Position		Identification	Name	Cartridge	FU	Notes
	F10	C08841	TR16-S			9
	F11	C08841	TR16-S			10
	F12	C08841	TR16-S			11
	F13	C08841	TR16-S			12
	F14	C08841	TR16-S			13
	F15	C08544/	PSC1/			
	F15	C08860	PSC1-S			New deliveries
002.01.		C08783	TC1C	TC1C 6	TCSM2E 6	
	F00	C08773	TRC0			
	F01	C08841	TR16-S			0
	F02	C08841	TR16-S			1
	F03	C08841	TR16-S			2
	F04	C08841	TR16-S			3
	F05	C08841	TR16-S			4
	F06	C08841	TR16-S			5
	F07	C08841	TR16-S			6
	F08	C08841	TR16-S			7
	F09	C08841	TR16-S			8
	F10	C08841	TR16-S			9
	F11	C08841	TR16-S			10
	F12	C08841	TR16-S			11
	F13	C08841	TR16-S			12
	F14	C08841	TR16-S			13
	F15	C08544/	PSC1/			

Position		Identification	Name	Cartridge	FU	Notes
	F15	C08860	PSC1-S			New deliveries
002.37.		C08783	TC1C	TC1C 7	TCSM2E 7	
	F00	C08773	TRC0			
	F01	C08841	TR16-S			0
	F02	C08841	TR16-S			1
	F03	C08841	TR16-S			2
	F04	C08841	TR16-S			3
	F05	C08841	TR16-S			4
	F06	C08841	R16-S			5
	F07	C08841	TR16-S			6
	F08	C08841	TR16-S			7
	F09	C08841	TR16-S			8
	F10	C08841	TR16-S			9
	F11	C08841	TR16-S			10
	F12	C08841	TR16-S			11
	F13	C08841	TR16-S			12
	14	C08841	TR16-S			13
	F15	C08544/	PSC1/			
	F15	C08860	PSC1-S			New deliveries

3.2 Equipment list for additional TCSM2E items

The following items are always needed for the rack but they are ordered and delivered separately (see section *Equipment list for standard TCSM2E items*).

Item	Name	Identification	Description	Note
DS 198	Door Set	C22226	2 doors, hinges, accessories	2 sets for one rack (R198A-T)
SP 19A-S	Side Plate Assembly	C23711	2 plates, accessories	For 1 rack or rack row
SP01A	Side Strip Assembly	C22281	2 plates, accessories	For UFS61, UFS81-S
TCSM2E Label Set		C28483	Marking and warning labels	For one (two) rack(s)

3.3 Equipment list for optional TCSM2 items

The following items are optional, and the number of items required depends on the installation.

Item	Name	Identification	Description	Note
R2A1-S	Cabling Rack Assembly	C23709	Rack assembly with cable supports, grounding combs	For raised floor installation (WxD: 200 x 450 mm)
DS192	Doors Set	C23515	2 doors, hinges, accessories	For Cabling Rack R2A1-S
CC19V	Cabling Conduit	C23517	1 end plate + 2 side plates + accessories	For raised floor installation (W = 140 mm)
USS1A	Upper Support Set for Racks	C23002	2 supports, accessories	To support the rack to wall or ceiling