

**UNITED STATES DEPARTMENT OF AGRICULTURE
Rural Utilities Service
Washington, DC 20250-1500**

April 24, 2001

TECHNICAL STANDARDS COMMITTEE "A" (TELECOMMUNICATIONS) MEETING #736

Summary of Decisions

1. Fiber Optic Cable (Item "oc") - Corning Cable Systems

Committee A accepted Corning's SST filled fiber optic cable designs for listing on pages 1.5, 1.5.2, and 1.5.4 as follows:

Page 1.5

oc - Fiber Optic Cable

RUS Standard Designation "BFO", "CO", and "UO" (Filled) 7 CFR 1755.900

These manufacturers' cables shown by catalog designations comply with 7 CFR 1755.900

oc-a Unit Core or Central Core Tube Fiber Core Construction

RUS Standard Suffixes

Manufacturer

Cable Construction

Mode

	<u>A(1)</u>	<u>B(1)</u>	<u>C</u>	<u>D</u>	<u>P(2)</u>	<u>s</u>	<u>m</u>
Corning Cable Systems ⁽⁶⁾	-	SST-Ribbon	SST-Ribbon	-	(X)P-RUS	X	-
	-	SST	SST	-	(X)P-RUS	X	-

Page 1.5.2oc - Fiber Optic Cable

RUS Standard Designation "CFO" (Filled) 7 CFR 1755.900

These manufacturers' cables shown by catalog designations comply with 7 CFR 1755.900

oc-c Self-Supporting Filled Fiber Optic CablesRUS Standard Suffixes

<u>Manufacturer</u>	<u>Cable Construction</u>					<u>Mode</u>	
	<u>I</u>	<u>J</u>	<u>K</u>	<u>L</u>	<u>P(2)</u>	<u>s</u>	<u>m</u>
Corning Cable Systems ⁽⁶⁾	SST-Ribbon	SOLO-ADSS	SST-Ribbon	-	(X)P-RUS	X	-
	ALTOS™ ⁽²²⁾	-	ALTOS™ ⁽²¹⁾⁽²²⁾	-	(X)P-RUS	X	-
	SST	-	SST ⁽¹⁰⁾	-	(X)P-RUS	X	-

Page 1.5.4**Notes:**⁽¹⁰⁾Can only be supplied in sizes greater than 12 fibers.

2. Fiber Optic Cable (Item "oc") - Remeo Products Corporation

Committee A accepted Remeo's single mode, multiple loose tube, nonarmored and armored, dry-filled, fiber optic cable designs for listing on pages 1.5.2 and 1.5.3 as follows:

Page 1.5.2oc - Fiber Optic Cable

RUS Standard Designation "CFO" (Filled) 7 CFR 1755.900

These manufacturers' cables shown by catalog designations comply with 7 CFR 1755.900

oc-c Self-Supporting Filled Fiber Optic CablesRUS Standard Suffixes

<u>Manufacturer</u>	<u>Cable Construction</u>					<u>Mode</u>	
	<u>I</u>	<u>J</u>	<u>K</u>	<u>L</u>	<u>P(2)</u>	<u>s</u>	<u>m</u>
Remeo Products	88 Series ⁽⁷⁾	88 Series ⁽⁷⁾	83 Series ⁽⁷⁾	83 Series ⁽⁷⁾	-	X	X
	88W Series ⁽⁶⁾⁽²²⁾	88W Series ⁽⁶⁾⁽²²⁾	83W Series ⁽⁶⁾⁽²²⁾	83W Series ⁽⁶⁾⁽²²⁾	-	X	-

Page 1.5.3oc - Fiber Optic Cable

RUS Standard Designation "BFO", "CO", and "UO" (Filled) 7 CFR 1755.900

These manufacturers' cables shown by catalog designations comply with 7 CFR 1755.900

oc-d Dry Filled Multiple Loose Tube Fiber Core Construction^{(3) (22)}RUS Standard Suffixes

<u>Manufacturer</u>	<u>Cable Construction</u>					<u>Mode</u>	
	<u>E(1)</u>	<u>F(1)</u>	<u>G</u>	<u>H</u>	<u>P(2)</u>	<u>s</u>	<u>m</u>
Remeo Products ⁽⁶⁾	-	22W Series ⁽²³⁾	-	28W Series ⁽²³⁾	-	X	-
	-	25W Series ⁽²⁰⁾	-	23W Series ⁽²⁰⁾	-	X	-

3. Fiber Optic Cable (Item "oc") - Alcatel

Committee A accepted Alcatel's single mode, multiple loose tube, dry-filled, Armored Flex Tube™ fiber optic cable design for listing on pages 1.5.3 and 1.5.4 as follows:

Page 1.5.3oc - Fiber Optic Cable

RUS Standard Designation "BFO", "CO", and "UO" (Filled) 7 CFR 1755.900

These manufacturers' cables shown by catalog designations comply with 7 CFR 1755.900

oc-d Dry Filled Multiple Loose Tube Fiber Core Construction^{(3) (22)}RUS Standard Suffixes

<u>Manufacturer</u>	<u>Cable Construction</u>					<u>Mode</u>	
	<u>E(1)</u>	<u>F(1)</u>	<u>G</u>	<u>H</u>	<u>P(2)</u>	<u>s</u>	<u>m</u>
Alcatel ⁽⁶⁾	BSD	BND	BRD	B__ ⁽²⁴⁾ D	-	X	-
	-	-	Armored Flex Tube™ ⁽¹⁶⁾	-	-	X	-

Page 1.5.4**Notes:**

⁽¹⁶⁾Cable contains no metallic central strength member. Metallic strength members are embedded in the jacket.

4. Fiber Optic Cable (Item "oc") - Superior Essex

Committee A accepted Superior Essex's single mode, multiple loose tube, nonarmored and armored, dry-filled, fiber optic cable designs for listing on pages 1.5.2 and 1.5.3 as follows:

Page 1.5.2

oc - Fiber Optic Cable

RUS Standard Designation "CFO" (Filled) 7 CFR 1755.900

These manufacturers' cables shown by catalog designations comply with 7 CFR 1755.900

oc-c Self-Supporting Filled Fiber Optic Cables

RUS Standard Suffixes

<u>Manufacturer</u>	<u>Cable Construction</u>					<u>Mode</u>	
	<u>I</u>	<u>J</u>	<u>K</u>	<u>L</u>	<u>P(2)</u>	<u>s</u>	<u>m</u>
Superior Essex ⁽⁶⁾	MLT-8	-	MLT-8	-	-	X	-
	MLT-D-8 ⁽²²⁾	-	MLT-D-8 ⁽²²⁾	-	-	X	-

Page 1.5.3

oc - Fiber Optic Cable

RUS Standard Designation "BFO", "CO", and "UO" (Filled) 7 CFR 1755.900

These manufacturers' cables shown by catalog designations comply with 7 CFR 1755.900

oc-d Dry Filled Multiple Loose Tube Fiber Core Construction^{(3) (22)}

RUS Standard Suffixes

<u>Manufacturer</u>	<u>Cable Construction</u>					<u>Mode</u>	
	<u>E(1)</u>	<u>F(1)</u>	<u>G</u>	<u>H</u>	<u>P(2)</u>	<u>s</u>	<u>m</u>
Superior Essex ⁽⁶⁾	MLT-D	MLT-D	MLT-D	MLT-D	-	X	-

5. Carrier Equipment (Item "ec") - Conklin Corporation

Committee A accepted Conklin's C8000+4 MSSL subscriber carrier system as a replacement for the currently accepted C8000. The recommendation includes the following revised listing for page 6.1:

ec - Carrier Equipment

Digital Carrier Systems

	<u>D4 Type Trunk Carrier (PE-60a)</u>	<u>Subscriber Carrier⁽¹⁾ (PE-64a)</u>	<u>T1 Type Span Line⁽²⁾ (PE-60b)</u>	<u>Automatic Protection Switch (PE-60c)</u>
Conklin	-	C8000+4 MSSL ⁽⁶⁾	-	-

⁽⁶⁾Provides BRI ISDN

6. Carrier Equipment (Item "ec") - GoDigital Networks

Committee A accepted GoDigital's XCel-8 and XCel-12 systems for listing on page 6.1 of the List of Materials as follows:

ec - Carrier Equipment

Digital Carrier Systems

	<u>D4 Type Trunk Carrier (PE-60a)</u>	<u>Subscriber Carrier⁽¹⁾ (PE-64a)</u>	<u>T1 Type Span Line⁽²⁾ (PE-60b)</u>	<u>Automatic Protection Switch (PE-60c)</u>
GoDigital	-	GDSL-8 ⁽⁷⁾ GDSL-3i ⁽⁸⁾ XCel-8 ⁽⁷⁾ XCel-12 ⁽⁷⁾	-	-

⁽⁷⁾This is a HDSL (High-Bit Rate Digital Subscriber Line) system.

7. Stored Program Digital Switching Equipment (Item "pc") - Nortel Networks, Inc.

Committee A granted Nortel Approval-to-Bid the DMS-10 System Release 502.10.

8. Stored Program Digital Switching Equipment (Item "pc") - Nortel Networks, Inc.

Committee A accepted Nortel's DMS-100 System Release LEC00014 for listing on page 6.4 as follows:

pc - Stored Program Digital Switching Equipment

<u>Manufacturer</u>	<u>Base</u>	<u>Accepted System Release</u> (5)	<u>Acceptance Classification</u> (1)	<u>RST(s)</u>
Nortel Networks, Inc.	DMS-100(3)	LEC00014	A	RLCM (OPAC) RSC-S RSC Star Remote Hub

9. Stored Program Digital Switching Equipment (Item "pc") - Nortel Networks, Inc.

Committee A granted Nortel approval-to-bid the DMS-100 System Release LEC00015.

10. Lightwave Digital Transmission Systems (Item "It") - NEC Eluminant

Committee A accepted the NEC's Vista SONET system for listing on page 6.7 as follows:

It - Lightwave Digital Transmission Systems

It-b Synchronous Systems

<u>Manufacturer</u>	<u>Designation</u>	<u>Optical Bit Rate</u>	<u>Pt-Pt</u>	<u>Configurations</u>	
				<u>Add/Drop</u>	<u>Ring</u>
NEC Eluminant Technologies	Vista	OC-3	Y	N	Y
		OC-12	Y	N	Y

11. Cable Lashing Wire (Item "nw") - ZAPP USA

Committee A accepted ZAPP's .045" and .061" stainless steel lashing wires for listing on page 7.12 as follows:

<u>Manufacturer</u>	<u>Catalog Number</u>					
	<u>Aluminum-Clad Steel</u>			<u>Type 430 Stainless Steel</u>		<u>Aluminum*</u>
	<u>.064</u>	<u>.045</u>	<u>.061</u>	<u>.045</u>	<u>.061</u>	<u>.080</u>
	<u>600</u>	<u>1200</u>	<u>650</u>	<u>1200</u>	<u>650</u>	<u>375</u>
Zapp, Inc.	-	-	-	2355	2356	-

12. Layer Three Switch (Item "Its") - Alcatel

Committee A accepted the Alcatel Omni Switch/Router to be listed in the noncategorized products listing section of the List of Materials. A new item designation "Its" was established and the Omni Switch/Router will be included under the new designation as follows:

Its - Layer Three Switch

Manufacturer

Type Designation

Alcatel

Omni Switch/Router

Miscellaneous

1. In response to a February 1, 2001, fax and August 23, 1999, letter from Marconi Communications, a February 14, 2001, letter was sent to Marconi acknowledging Marconi Communications' purchase of RELTEC. This acknowledgement included the subsequent revision of all product listings appearing in the List of Materials under the RELTEC name to reflect the designation "Marconi Communications."
2. In response to a February 1, 2001, request from Corning Cable Systems, Corning was sent a February 28, 2001, letter acknowledging the revision of the RUS List of Materials to reflect deletion of Corning's 50.0 and 6.25-micron multimode fiber optic cable designs. This acknowledgement also included the deletion of Corning's obsolete EST, Optispan®, TubeStar®, and MiniBundle® designs.
3. In response to a February 16, 2001, letter from P-Com, Inc, P-Com was sent a February 28, 2001, letter acknowledging P-Com's purchase of Cylink and the currently listed Airlink T1 and VoiceXtender systems. This acknowledgement included the subsequent revision of the listings for Digital Microwave Radio and Wireless Local Loop systems on pages 6.2 and 6.3, respectively, of the List of Materials to reflect the change in manufacturer designation from Cylink to "P-Com, Inc." as follows:

gm - Digital Microwave Radio Systems

The following radio systems comply with PE-63 and Form 397d:

<u>Manufacturer</u>	<u>Designation</u>	<u>RF Band</u>	<u>Radio Capacity & Interfaces⁽¹⁾</u>	<u>Multiplex Designation</u>
P-Com, Inc.	Airlink T1	5 GHz	1 DS1 ⁽⁴⁾	-

Notes: ⁽¹⁾The basic radio capacity and interface is shown first; with additional multiplex equipment, the maximum DS1 capacity is shown as (xx DS1). The manufacturer's digital multiplexer designation is also shown; this may be plug-in cards for the radio equipment, or separate multiplexer equipment.

⁽⁴⁾Provides a wireless T1 link and uses spread spectrum technology.

<u>Manufacturer</u>	<u>Designation</u>	<u>RF Band</u>
<u>wl - Wireless Local Loop Systems</u>		
P-Com, Inc.	VoiceXtender ⁽¹⁾	900 MHz

Notes:

⁽¹⁾Uses spread spectrum technology.

On March 13, 2001, the signing of RUS Form 399b was completed by all necessary parties for approval of the field trial of Nortel Networks' OPTera Metro 3500 Multiservice Platform at Wyoming 519.

4. In response to a March 21, 2001, memo from IPB, Infinetec Communications' Inteleflex system was deleted from the Carrier Equipment and Electronic Subscriber Line Concentrator listings on pages 6.1 and 6.5, respectively, of the List of Materials.
5. The Committee removed the following product listings from the RUS List of Materials:

Page 6.1**Manufacturer****Type Designation****ec - Carrier Equipment****Digital Carrier Systems**

<u>Manufacturer</u>	<u>D4 Type Trunk Carrier (PE-60a)</u>	<u>Subscriber Carrier⁽¹⁾ (PE-64a)</u>	<u>T1 Type Span Line⁽²⁾ (PE-60b)</u>	<u>Automatic Protection Switch (PE-60c)</u>
PairGain	-	HiGain ⁽⁷⁾	-	-

Page 6.2**gm - Digital Microwave Radio Systems**

The following radio systems comply with PE-63 and Form 397d:

<u>Manufacturer</u>	<u>Designation</u>	<u>RF Band</u>	<u>Radio Capacity & Interfaces⁽¹⁾</u>	<u>Multiplex Designation</u>
Harris-Farinon	Urbanet 2	2 GHz	1 DS1 (4 DS1)	DVT 4
	DVM2-8T	2 GHz	2 DS2 (8 DS1)	DVT 8
	DVM6-45	6 GHz	1 DS3 (28 DS1)	DVT 44
	DM6-90	6 GHz	2 DS3 (56 DS1)	DVT 44 ⁽²⁾
	Urbanet 10ec	10.5 GHz	1 DS1 (4 DS1)	DVT 4
	DM11-45	11 GHz	1 DS3 (28 DS1)	DVT 44
	DM11-90	11 GHz	2 DS3 (56 DS1)	DVT 44 ⁽²⁾
Nortel Networks, Inc.	RD-4	4 GHz	2 DS3 (56 DS1)	DMT-300
	RD-6	6 GHz	3 DS3 (84 DS1)	DMT-300
	RD-11	11 GHz	3 DS3 (84 DS1)	DMT-300
TeleSciences	DR2C-96	2 GHz	4 DS1	-
	DR2D-192	2 GHz	8 DS1	-

Page 6.5**Manufacturer****Type Designation****ep - Electronic Subscriber Line Concentrators**

Siemens Carrier Networks LLC

914A, 914E

Nortel Networks' Full Service Terminal (FST) configuration of the S/DMS AccessNode.

Page 6.6**It - Lightwave Digital Transmission Systems****It-a Asynchronous Systems**

<u>Manufacturer</u>	<u>Designation</u>	<u>Optical Bit Rate (Mb/s)</u>	<u>System Capacity & Interfaces⁽¹⁾</u>
ADC	SFLC	1.544	1DS1
	DFLC/XR/XT	1.544	1DS1
AT&T	DDM-Plus	9.486	1DS2 (8 DS1)
	DDM-1000	90	2DS3 (56 DS1)
		180	4DS3 (112 DS1)
Telco Systems	FOX Family ⁽²⁾	6.312	See Below ⁽³⁾

⁽²⁾Includes only FOX-2, FOX-2R/R XT, FOX-2RS/RS XT, FOX-2 T-HUB.

⁽³⁾FOX-2 1DS2 (4 DS1), FOX-2R/R XT and FOX-2RS/RS XT 2DS2 (8 DS1), FOX-2 T-HUB 7DS2 (28 DS1).

Page 6.7

It - Lightwave Digital Transmission Systems

It-b Synchronous Systems

<u>Manufacturer</u>	<u>Designation</u>	<u>Optical Bit Rate</u>	<u>Pt-Pt</u>	<u>Configurations</u>		<u>Ring</u>
				<u>Add/Drop</u>		
AT&T	DDM-2000	OC-3	Y	Y		Y
		OC-12	Y	Y		Y

NORBERTO ESTEVES
Chairman, Technical Standards
Committee "A" (Telecommunications)
Telecommunications Standards Division

UNITED STATES DEPARTMENT OF AGRICULTURE
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April 24, 2001

TECHNICAL STANDARDS COMMITTEE "A" (TELECOMMUNICATIONS) MEETING #736

Summary of Decisions

1. Fiber Optic Cable (Item "oc") - Corning Cable Systems

Committee A accepted Corning's SST filled fiber optic cable designs for listing on pages 1.5, 1.5.2, and 1.5.4 as follows:

Page 1.5

oc - Fiber Optic Cable

RUS Standard Designation "BFO", "CO", and "UO" (Filled) 7 CFR 1755.900

These manufacturers' cables shown by catalog designations comply with 7 CFR 1755.900

oc-a Unit Core or Central Core Tube Fiber Core Construction

RUS Standard Suffixes

<u>Manufacturer</u>	<u>Cable Construction</u>					<u>Mode</u>	
	<u>A(1)</u>	<u>B(1)</u>	<u>C</u>	<u>D</u>	<u>P(2)</u>	<u>s</u>	<u>m</u>
Corning Cable Systems ⁽⁶⁾	-	SST-Ribbon	SST-Ribbon	-	(X)P-RUS	X	-
	-	SST	SST	-	(X)P-RUS	X	-

Page 1.5.2oc - Fiber Optic Cable

RUS Standard Designation "CFO" (Filled) 7 CFR 1755.900

These manufacturers' cables shown by catalog designations comply with 7 CFR 1755.900

oc-c Self-Supporting Filled Fiber Optic CablesRUS Standard Suffixes

<u>Manufacturer</u>	<u>Cable Construction</u>					<u>Mode</u>	
	<u>I</u>	<u>J</u>	<u>K</u>	<u>L</u>	<u>P(2)</u>	<u>s</u>	<u>m</u>
Corning Cable Systems ⁽⁶⁾	SST-Ribbon	SOLO-ADSS	SST-Ribbon	-	(X)P-RUS	X	-
	ALTOS™ ⁽²²⁾	-	ALTOS™ ⁽²¹⁾⁽²²⁾	-	(X)P-RUS	X	-
	SST	-	SST ⁽¹⁰⁾	-	(X)P-RUS	X	-

Page 1.5.4**Notes:**⁽¹⁰⁾Can only be supplied in sizes greater than 12 fibers.

2. Fiber Optic Cable (Item "oc") - Remeo Products Corporation

Committee A accepted Remeo's single mode, multiple loose tube, nonarmored and armored, dry-filled, fiber optic cable designs for listing on pages 1.5.2 and 1.5.3 as follows:

Page 1.5.2oc - Fiber Optic Cable

RUS Standard Designation "CFO" (Filled) 7 CFR 1755.900

These manufacturers' cables shown by catalog designations comply with 7 CFR 1755.900

oc-c Self-Supporting Filled Fiber Optic CablesRUS Standard Suffixes

<u>Manufacturer</u>	<u>Cable Construction</u>					<u>Mode</u>	
	<u>I</u>	<u>J</u>	<u>K</u>	<u>L</u>	<u>P(2)</u>	<u>s</u>	<u>m</u>
Remeo Products	88 Series ⁽⁷⁾	88 Series ⁽⁷⁾	83 Series ⁽⁷⁾	83 Series ⁽⁷⁾	-	X	X
	88W Series ⁽⁶⁾⁽²²⁾	88W Series ⁽⁶⁾⁽²²⁾	83W Series ⁽⁶⁾⁽²²⁾	83W Series ⁽⁶⁾⁽²²⁾	-	X	-

Page 1.5.3oc - Fiber Optic Cable

RUS Standard Designation "BFO", "CO", and "UO" (Filled) 7 CFR 1755.900

These manufacturers' cables shown by catalog designations comply with 7 CFR 1755.900

oc-d Dry Filled Multiple Loose Tube Fiber Core Construction^{(3) (22)}RUS Standard SuffixesManufacturer

	<u>Cable Construction</u>					<u>Mode</u>	
	<u>E(1)</u>	<u>F(1)</u>	<u>G</u>	<u>H</u>	<u>P(2)</u>	<u>s</u>	<u>m</u>
	Remeo Products ⁽⁶⁾	-	22W Series ⁽²³⁾ 25W Series ⁽²⁰⁾	-	28W Series ⁽²³⁾ 23W Series ⁽²⁰⁾	-	X

3. Fiber Optic Cable (Item "oc") - Alcatel

Committee A accepted Alcatel's single mode, multiple loose tube, dry-filled, Armored Flex Tube™ fiber optic cable design for listing on pages 1.5.3 and 1.5.4 as follows:

Page 1.5.3oc - Fiber Optic Cable

RUS Standard Designation "BFO", "CO", and "UO" (Filled) 7 CFR 1755.900

These manufacturers' cables shown by catalog designations comply with 7 CFR 1755.900

oc-d Dry Filled Multiple Loose Tube Fiber Core Construction^{(3) (22)}RUS Standard SuffixesManufacturer

	<u>Cable Construction</u>					<u>Mode</u>	
	<u>E(1)</u>	<u>F(1)</u>	<u>G</u>	<u>H</u>	<u>P(2)</u>	<u>s</u>	<u>m</u>
	Alcatel ⁽⁶⁾	BSD	BND	BRD	B__ ⁽²⁴⁾ D	-	X
	-	-	Armored Flex Tube™ (16)	-	-	X	-

Page 1.5.4**Notes:**

⁽¹⁶⁾Cable contains no metallic central strength member. Metallic strength members are embedded in the jacket.

4. Fiber Optic Cable (Item "oc") - Superior Essex

Committee A accepted Superior Essex's single mode, multiple loose tube, nonarmored and armored, dry-filled, fiber optic cable designs for listing on pages 1.5.2 and 1.5.3 as follows:

Page 1.5.2

oc - Fiber Optic Cable

RUS Standard Designation "CFO" (Filled) 7 CFR 1755.900

These manufacturers' cables shown by catalog designations comply with 7 CFR 1755.900

oc-c Self-Supporting Filled Fiber Optic Cables

RUS Standard Suffixes

<u>Manufacturer</u>	<u>Cable Construction</u>					<u>Mode</u>	
	<u>I</u>	<u>J</u>	<u>K</u>	<u>L</u>	<u>P(2)</u>	<u>s</u>	<u>m</u>
Superior Essex ⁽⁶⁾	MLT-8	-	MLT-8	-	-	X	-
	MLT-D-8 ⁽²²⁾	-	MLT-D-8 ⁽²²⁾	-	-	X	-

Page 1.5.3

oc - Fiber Optic Cable

RUS Standard Designation "BFO", "CO", and "UO" (Filled) 7 CFR 1755.900

These manufacturers' cables shown by catalog designations comply with 7 CFR 1755.900

oc-d Dry Filled Multiple Loose Tube Fiber Core Construction^{(3) (22)}

RUS Standard Suffixes

<u>Manufacturer</u>	<u>Cable Construction</u>					<u>Mode</u>	
	<u>E(1)</u>	<u>F(1)</u>	<u>G</u>	<u>H</u>	<u>P(2)</u>	<u>s</u>	<u>m</u>
Superior Essex ⁽⁶⁾	MLT-D	MLT-D	MLT-D	MLT-D	-	X	-

5. Carrier Equipment (Item "ec") - Conklin Corporation

Committee A accepted Conklin's C8000+4 MSSSL subscriber carrier system as a replacement for the currently accepted C8000. The recommendation includes the following revised listing for page 6.1:

ec - Carrier Equipment

Digital Carrier Systems

	<u>D4 Type Trunk Carrier (PE-60a)</u>	<u>Subscriber Carrier⁽¹⁾ (PE-64a)</u>	<u>T1 Type Span Line⁽²⁾ (PE-60b)</u>	<u>Automatic Protection Switch (PE-60c)</u>
Conklin	-	C8000+4 MSSSL ⁽⁶⁾	-	-

⁽⁶⁾Provides BRI ISDN

7. Carrier Equipment (Item "ec") - GoDigital Networks

Committee A accepted GoDigital's XCel-8 and XCel-12 systems for listing on page 6.1 of the List of Materials as follows:

ec - Carrier Equipment

Digital Carrier Systems

	<u>D4 Type Trunk Carrier (PE-60a)</u>	<u>Subscriber Carrier⁽¹⁾ (PE-64a)</u>	<u>T1 Type Span Line⁽²⁾ (PE-60b)</u>	<u>Automatic Protection Switch (PE-60c)</u>
GoDigital	-	GDSL-8 ⁽⁷⁾ GDSL-3i ⁽⁸⁾ XCel-8 ⁽⁷⁾ XCel-12 ⁽⁷⁾	-	-

⁽⁷⁾This is a HDSL (High-Bit Rate Digital Subscriber Line) system.

7. Stored Program Digital Switching Equipment (Item "pc") - Nortel Networks, Inc.

Committee A granted Nortel Approval-to-Bid the DMS-10 System Release 502.10.

8. Stored Program Digital Switching Equipment (Item "pc") - Nortel Networks, Inc.

Committee A accepted Nortel's DMS-100 System Release LEC00014 for listing on page 6.4 as follows:

pc - Stored Program Digital Switching Equipment

<u>Manufacturer</u>	<u>Base</u>	<u>Accepted System Release</u> (5)	<u>Acceptance Classification</u> (1)	<u>RST(s)</u>
Nortel Networks, Inc.	DMS-100(3)	LEC00014	A	RLCM (OPAC) RSC-S RSC Star Remote Hub

9. Stored Program Digital Switching Equipment (Item "pc") - Nortel Networks, Inc.

Committee A granted Nortel approval-to-bid the DMS-100 System Release LEC00015.

10. Lightwave Digital Transmission Systems (Item "It") - NEC Eluminant

Committee A accepted the NEC's Vista SONET system for listing on page 6.7 as follows:

It - Lightwave Digital Transmission Systems

It-b Synchronous Systems

<u>Manufacturer</u>	<u>Designation</u>	<u>Optical Bit Rate</u>	<u>Pt-Pt</u>	<u>Configurations</u>	
				<u>Add/Drop</u>	<u>Ring</u>
NEC Eluminant Technologies	Vista	OC-3	Y	N	Y
		OC-12	Y	N	Y

11. Cable Lashing Wire (Item "nw") - ZAPP USA

Committee A accepted ZAPP's .045" and .061" stainless steel lashing wires for listing on page 7.12 as follows:

<u>Manufacturer</u>	<u>Catalog Number</u>					
	<u>Aluminum-Clad Steel</u>			<u>Type 430 Stainless Steel</u>		<u>Aluminum*</u>
	<u>.064</u>	<u>.045</u>	<u>.061</u>	<u>.045</u>	<u>.061</u>	<u>.080</u>
	<u>600</u>	<u>1200</u>	<u>650</u>	<u>1200</u>	<u>650</u>	<u>375</u>
Zapp, Inc.	-	-	-	2355	2356	-

12. Layer Three Switch (Item "Its") - Alcatel

Committee A accepted the Alcatel Omni Switch/Router to be listed in the noncategorized products listing section of the List of Materials. A new item designation "Its" was established and the Omni Switch/Router will be included under the new designation as follows:

Its - Layer Three Switch

Manufacturer

Type Designation

Alcatel

Omni Switch/Router

Miscellaneous

1. In response to a February 1, 2001, fax and August 23, 1999, letter from Marconi Communications, a February 14, 2001, letter was sent to Marconi acknowledging Marconi Communications' purchase of RELTEC. This acknowledgement included the subsequent revision of all product listings appearing in the List of Materials under the RELTEC name to reflect the designation "Marconi Communications."
2. In response to a February 1, 2001, request from Corning Cable Systems, Corning was sent a February 28, 2001, letter acknowledging the revision of the RUS List of Materials to reflect deletion of Corning's 50.0 and 6.25-micron multimode fiber optic cable designs. This acknowledgement also included the deletion of Corning's obsolete EST, Optispan®, TubeStar®, and MiniBundle® designs.
3. In response to a February 16, 2001, letter from P-Com, Inc, P-Com was sent a February 28, 2001, letter acknowledging P-Com's purchase of Cylink and the currently listed Airlink T1 and VoiceXtender systems. This acknowledgement included the subsequent revision of the listings for Digital Microwave Radio and Wireless Local Loop systems on pages 6.2 and 6.3, respectively, of the List of Materials to reflect the change in manufacturer designation from Cylink to "P-Com, Inc." as follows:

gm - Digital Microwave Radio Systems

The following radio systems comply with PE-63 and Form 397d:

<u>Manufacturer</u>	<u>Designation</u>	<u>RF Band</u>	<u>Radio Capacity & Interfaces⁽¹⁾</u>	<u>Multiplex Designation</u>
P-Com, Inc.	Airlink T1	5 GHz	1 DS1 ⁽⁴⁾	-

Notes: ⁽¹⁾The basic radio capacity and interface is shown first; with additional multiplex equipment, the maximum DS1 capacity is shown as (xx DS1). The manufacturer's digital multiplexer designation is also shown; this may be plug-in cards for the radio equipment, or separate multiplexer equipment.

⁽⁴⁾Provides a wireless T1 link and uses spread spectrum technology.

<u>Manufacturer</u>	<u>Designation</u>	<u>RF Band</u>
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wl - Wireless Local Loop Systems

P-Com, Inc.	VoiceXtender ⁽¹⁾	900 MHz
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Notes:

⁽¹⁾Uses spread spectrum technology.

On March 13, 2001, the signing of RUS Form 399b was completed by all necessary parties for approval of the field trial of Nortel Networks' OPTera Metro 3500 Multiservice Platform at Wyoming 519.

5. In response to a March 21, 2001, memo from IPB, Infinetec Communications' Inteleflex system was deleted from the Carrier Equipment and Electronic Subscriber Line Concentrator listings on pages 6.1 and 6.5, respectively, of the List of Materials.
5. The Committee removed the following product listings from the RUS List of Materials:

Page 6.1

Manufacturer

Type Designation

ec - Carrier Equipment

Digital Carrier Systems

<u>Manufacturer</u>	<u>D4 Type Trunk Carrier (PE-60a)</u>	<u>Subscriber Carrier⁽¹⁾ (PE-64a)</u>	<u>T1 Type Span Line⁽²⁾ (PE-60b)</u>	<u>Automatic Protection Switch (PE-60c)</u>
PairGain	-	HiGain ⁽⁷⁾	-	-

Page 6.2**gm - Digital Microwave Radio Systems**

The following radio systems comply with PE-63 and Form 397d:

<u>Manufacturer</u>	<u>Designation</u>	<u>RF Band</u>	<u>Radio Capacity & Interfaces⁽¹⁾</u>	<u>Multiplex Designation</u>
Harris-Farinon	Urbanet 2	2 GHz	1 DS1 (4 DS1)	DVT 4
	DVM2-8T	2 GHz	2 DS2 (8 DS1)	DVT 8
	DVM6-45	6 GHz	1 DS3 (28 DS1)	DVT 44
	DM6-90	6 GHz	2 DS3 (56 DS1)	DVT 44 ⁽²⁾
	Urbanet 10ec	10.5 GHz	1 DS1 (4 DS1)	DVT 4
	DM11-45	11 GHz	1 DS3 (28 DS1)	DVT 44
	DM11-90	11 GHz	2 DS3 (56 DS1)	DVT 44 ⁽²⁾
Nortel Networks, Inc.	RD-4	4 GHz	2 DS3 (56 DS1)	DMT-300
	RD-6	6 GHz	3 DS3 (84 DS1)	DMT-300
	RD-11	11 GHz	3 DS3 (84 DS1)	DMT-300
TeleSciences	DR2C-96	2 GHz	4 DS1	-
	DR2D-192	2 GHz	8 DS1	-

Page 6.5**Manufacturer****Type Designation****ep - Electronic Subscriber Line Concentrators**

Siemens Carrier Networks LLC

914A, 914E

Nortel Networks' Full Service Terminal (FST) configuration of the S/DMS AccessNode.

Page 6.6**lt - Lightwave Digital Transmission Systems****lt-a Asynchronous Systems**

<u>Manufacturer</u>	<u>Designation</u>	<u>Optical Bit Rate (Mb/s)</u>	<u>System Capacity & Interfaces⁽¹⁾</u>
ADC	SFLC	1.544	1DS1
	DFLC/XR/XT	1.544	1DS1
AT&T	DDM-Plus	9.486	1DS2 (8 DS1)
	DDM-1000	90	2DS3 (56 DS1)
		180	4DS3 (112 DS1)
Telco Systems	FOX Family ⁽²⁾	6.312	See Below ⁽³⁾

⁽²⁾Includes only FOX-2, FOX-2R/R XT, FOX-2RS/RS XT, FOX-2 T-HUB.

⁽³⁾FOX-2 1DS2 (4 DS1), FOX-2R/R XT and FOX-2RS/RS XT 2DS2 (8 DS1), FOX-2 T-HUB 7DS2 (28 DS1).

Page 6.7It - Lightwave Digital Transmission SystemsIt-b Synchronous Systems

<u>Manufacturer</u>	<u>Designation</u>	<u>Optical Bit Rate</u>	<u>Pt-Pt</u>	<u>Configurations Add/Drop</u>	<u>Ring</u>
AT&T	DDM-2000	OC-3 OC-12	Y Y	Y Y	Y Y

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