

SPEC SHEET

SAP MATERIAL No.:	0253383							
SHORT DESCRIPTION:	MODEM, METERING GSM/GPRS D9503							
TECH. DESCRIPTION:	<p>ESKOM APPROVED, LISTED GSM/GPRS METERING MODEM FOR REMOTE COMMUNICATION SPECIFICATION DSP 34-1967. CONSISTS OF FOLLOWING:- - GSM/GPRS MODEM - 110V - 230V ± 15% POWER SUPPLY ESKOM DRAWING No. D-DT-9503 *</p>							
SAP MATERIAL No.:	0223362							
SHORT DESCRIPTION:	MODEM, METERING KOCOS ME12.5 GPRS D9503							
TECH. DESCRIPTION:	<p>KOCOS ME12.5 QUAD BAND GSM/GPRS METERING MODEM FOR REMOTE COMMUNICATION CONSISTS OF FOLLOWING :- - KOCOS ME12.5 QUAD BAND (850/900/1800/1900MHz) GSM/GPRS MODEM - 80V - 276VAC; 100-300VDC POWER SUPPLY ESKOM DRAWING No. D-DT-9503 *</p>							
SAP MATERIAL No.:	0223363							
SHORT DESCRIPTION:	MODEM, METERING TRUCOM SMARTEE D9503							
TECH. DESCRIPTION:	<p>TRUCOM SMARTEE GSM/GPRS UNDERCOVER METERING MODEM FOR REMOTE COMMUNICATION CONSISTS OF FOLLOWING:- - TRUCOM SMARTEE GSM/GPRS UNDERCOVER MODEM - 115V - 230V POWER SUPPLY ESKOM DRAWING No. D-DT-9503 *</p>							
ITEM	:- METERING COMMUNICATION D9503							
MATERIAL SPECIFICATION	:- N/A							
CORROSION SPECIFICATION	:- N/A							
STANDARD SPECIFICATION	:- 34-1967 DST - GSM/GPRS MODEMS FOR REMOTE METERING							
ESKOM SPECIFICATION	:- N/A							
TEST & CERTIFICATION REQUIREMENTS	:- N/A							
INSPECTION	Yes	No	ESKOM RELEASE NOTE			Yes	No	
IDENTIFICATION:- INDELIBLE MANUFACTURES TRADEMARK & PART No. ON ALL ITEMS								
7	SAP NUMBER 0708076 AND 0708077 ADDED.		J.S	HPD GROENEWALD	HPD GROENEWALD	2022-07-30		
5	ADDED ITEMS FOR A GENERAL DESCRIPTION AND THE METACOM MC402. DELETED SAP 0184057, 0207021, 0198202		HPD.G.	HPD GROENEWALD	HPD GROENEWALD	2011/03/07		
4	REMOVED ANTENNA FROM MODEM SAP NUMBERS. CREATED SEPARATE SAP NUMBERS FOR ANTENNAS		PA V	HPD GROENEWALD	HPD GROENEWALD	2009/07/16		
REV	REVISION DESCRIPTION		BY	CHKD	AUTH	DATE	REF. DWGS	
AUTH:	A. BEKKER	DATE:	30/11/2000	 D-DT-9503		SAP No:		
CHKD:	HPD GROENEWALD	DATE:	30/11/2000			0253383	0223363	
DRAWN:	HPD GROENEWALD PA VERMAAK	DATE:	30/11/2000			SET	SHEET	REV
				9503				
					9	1	7	

SPEC SHEET

SAP MATERIAL No.:	0223364						
SHORT DESCRIPTION:	MODEM, METERING TRUCOM SMARTOO D9503						
TECH. DESCRIPTION:							
TRUCOM SMARTOO GSM/GPRS DIN-RAIL MOUNT METERING MODEM FOR REMOTE COMMUNICATION CONSISTS OF FOLLOWING:-							
<ul style="list-style-type: none"> - TRUCOM SMARTOO GSM/GPRS MODEM - 85V - 265V POWER SUPPLY - DIN RAIL CLIP 							
ESKOM DRAWING No. D-DT-9503 *							
SAP MATERIAL No.:	0223365						
SHORT DESCRIPTION:	MODEM, METERING METACOM MC407 D9503						
TECH. DESCRIPTION:							
METACOM MC407 GSM METERING MODEM FOR LPU POWER MONITORING, SCADA INTEGRATION AND REMOTE COMMUNICATION CONSISTS OF FOLLOWING:-							
<ul style="list-style-type: none"> - DUAL PORT GSM MODEM - THREE PHASE POWER MONITORING - 85V - 265VAC POWER SUPPLY - BATTERY POWER BACKUP - 2 X DIGITAL INPUTS 							
ESKOM DRAWING No. D-DT-9503 *							
SAP MATERIAL No.:	0253384						
SHORT DESCRIPTION:	MODEM, METERING METACOM MC402 D9503						
TECH. DESCRIPTION:							
METACOM MC402 GSM REMOTE ROUTER, SCADA INTEGRATION AND REMOTE COMMUNICATION CONSISTS OF FOLLOWING:-							
<ul style="list-style-type: none"> - DUAL RS232 PORTS - DUAL SIM CARDS - 8 – 32V DC POWER SUPPLY - 2 X DIGITAL INPUTS - 1 X RELAY OUTPUT 							
ESKOM DRAWING No. D-DT-9503 *							
SAP MATERIAL No.:	0198201						
SHORT DESCRIPTION:	MODEM, METERING LANDIS+GYR GSM/GPRS D9503						
TECH. DESCRIPTION:							
LANDIS+GYR GSM/GPRS METERING UNDERCOVER MODEM FOR REMOTE COMMUNICATION CONSISTS OF FOLLOWING :-							
<ul style="list-style-type: none"> - GSM/GPRS MODEM - 110V - 230V POWER SUPPLY 							
ESKOM DRAWING No. D-DT-9503 *							
7	SAP NUMBER 0708076 AND 0708077 ADDED.			J.S	HPD GROENEWALD	HPD GROENEWALD	2022-07-30
5	ADDED ITEMS FOR A GENERAL DESCRIPTION AND THE METACOM MC402. DELETED SAP 0184057, 0207021, 0198202			HPD.G.	HPD GROENEWALD	HPD GROENEWALD	2011/03/07
4	REMOVED ANTENNA FROM MODEM SAP NUMBERS. CREATED SEPARATE SAP NUMBERS FOR ANTENNAS			PA V	HPD GROENEWALD	HPD GROENEWALD	2009/07/16
REV	REVISION DESCRIPTION			BY	CHKD	AUTH	DATE
AUTH:	A. BEKKER	DATE:	30/11/2000	SCALE NTS			
CHKD:	HPD GROENEWALD	DATE:	30/11/2000	CAD REF: SERIES 9000			
DRAWN:	HPD GROENEWALD PA VERMAAK	DATE:	30/11/2000	FILE No:	D-DT-9503		SAP No: 0223364 0253384 0223365 0198201
					SET	SHEET	REV
					9	2	7

SPEC SHEET

SAP MATERIAL No.:	0198204
SHORT DESCRIPTION:	CABLE, COMMS VISION METER D9503
TECH. DESCRIPTION:	
GSM MODEM COMMUNICATION CABLE FOR USE WITH VISION METER, SUPPLIED WITH 25 PIN D-SUB FEMALE CONNECTOR AS PER SPECIFICATION, COLOUR CODED GREEN. *	
ESKOM DRAWING No. D-DT-9503 *	
SAP MATERIAL No.:	0198205
SHORT DESCRIPTION:	CABLE, COMMS ZMC METER D9503
TECH. DESCRIPTION:	
GSM MODEM COMMUNICATION CABLE FOR USE WITH ZMC METER, SUPPLIED WITH MOLEX PLUG CONNECTOR AS PER SPECIFICATION, COLOUR CODED RED. *	
ESKOM DRAWING No. D-DT-9503 *	
SAP MATERIAL No.:	0207022
SHORT DESCRIPTION:	CABLE, COMMS INDIGO/ENERMAX METER D9503
TECH. DESCRIPTION:	
GSM MODEM COMMUNICATION CABLE FOR USE WITH INDIGO AND ENERMAX METER, SUPPLIED WITH WIRING CONNECTORS AS PER SPECIFICATION, COLOUR CODED WHITE. *	
ESKOM DRAWING No. D-DT-9503 *	
SAP MATERIAL No.:	0207023
SHORT DESCRIPTION:	CABLE, COMMS ZMD METER D9503
TECH. DESCRIPTION:	
GSM MODEM COMMUNICATION CABLE FOR USE WITH ZMD METER, SUPPLIED WITH RJ12 PLUG CONNECTOR AS PER SPECIFICATION, COLOUR CODED BLUE. *	
ESKOM DRAWING No. D-DT-9503 *	
SAP MATERIAL No.:	0207024
SHORT DESCRIPTION:	CABLE, COMMS FAF12 RECORDER D9503
TECH. DESCRIPTION:	
GSM MODEM COMMUNICATION CABLE FOR USE WITH FAF RECORDER, SUPPLIED WITH 25 PIN D-SUB FEMALE CONNECTOR AS PER SPECIFICATION, COLOUR CODED YELLOW. *	
ESKOM DRAWING No. D-DT-9503 *	
SAP MATERIAL No.:	0207025
SHORT DESCRIPTION:	CABLE, COMMS FBC & FCM RECORDER D9503
TECH. DESCRIPTION:	
GSM MODEM COMMUNICATION CABLE FOR USE WITH FBC AND FCM RECORDER, SUPPLIED WITH 9 PIN D-SUB FEMALE CONNECTOR AS PER SPECIFICATION, COLOUR CODED BROWN. *	
ESKOM DRAWING No. D-DT-9503 *	

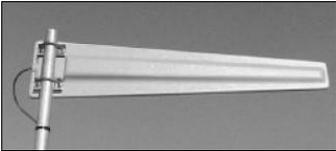
7	SAP NUMBER 0708076 AND 0708077 ADDED.	J.S	HPD GROENEWALD	HPD GROENEWALD	2022-07-30			
5	ADDED ITEMS FOR A GENERAL DESCRIPTION AND THE METACOM MC402. DELETED SAP 0184057, 0207021, 0198202	HPD.G.	HPD GROENEWALD	HPD GROENEWALD	2011/03/07			
4	REMOVED ANTENNA FROM MODEM SAP NUMBERS. CREATED SEPARATE SAP NUMBERS FOR ANTENNAS	PA V	HPD GROENEWALD	HPD GROENEWALD	2009/07/16			
REV	REVISION DESCRIPTION	BY	CHKD	AUTH	DATE	REF. DWGS		
AUTH:	A. BEKKER	DATE:	30/11/2000			SAP No:		
						0198204	0207023	
						0198205	0207024	
CHKD:	HPD GROENEWALD	DATE:	30/11/2000	D-DT-9503		0207022	0207025	
						SET	SHEET	REV
						9	3	7
DRAWN:	HPD GROENEWALD PA VERMAAK	DATE:	30/11/2000					
				SCALE NTS				
				CAD REF:				
				SERIES 9000				
				FILE No:				
				9503				

SPEC SHEET

SAP MATERIAL No.:	0207026
SHORT DESCRIPTION:	CABLE, COMMS FCR RECORDER D9503
TECH. DESCRIPTION:	
GSM MODEM COMMUNICATION CABLE FOR USE WITH FCR RECORDER, SUPPLIED WITH 25 PIN D-SUB FEMALE CONNECTOR AS PER SPECIFICATION, COLOUR CODED BLACK. * ESKOM DRAWING No. D-DT-9503 *	
SAP MATERIAL No.:	0184060
SHORT DESCRIPTION:	METERING COMMS RS232/RS485 CONVERTER D9503
TECH. DESCRIPTION:	
METERING COMMUNICATION RS232/RS485 CONVERTER TYPE: POWER SYSTEMS PROJECT INCLUDING DB9 RS232 CABLE * ESKOM DRAWING No. D-DT-9503 *	
SAP MATERIAL No.:	0184058
SHORT DESCRIPTION:	METERING COMMS PORT SHARER FBC D9503
TECH. DESCRIPTION:	
METERING COMMUNICATION 4 WAY PORT SHARER FOR USE WITH FBC RECORDER * TYPE: SYSTEMS LOGIC 4 WAY INCLUDING TWO CABLES FROM PORT SHARER TO FBC RECORDERS.* ESKOM DRAWING No. D-DT-9503 *	
SAP MATERIAL No.:	0184059
SHORT DESCRIPTION:	METERING COMMS PORT SHARER FCM D9503
TECH. DESCRIPTION:	
METERING COMMUNICATION 4 WAY PORT SHARER FOR USE WITH FCM RECORDER * TYPE: SYSTEMS LOGIC 4 WAY INCLUDING TWO CABLES FROM PORT SHARER TO FCM RECORDERS. * ESKOM DRAWING No. D-DT-9503 *	

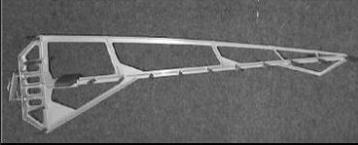
7	SAP NUMBER 0708076 AND 0708077 ADDED.	J.S	HPD GROENEWALD	HPD GROENEWALD	2022-07-30		
5	ADDED ITEMS FOR A GENERAL DESCRIPTION AND THE METACOM MC402. DELETED SAP 0184057, 0207021, 0198202	HPD.G.	HPD GROENEWALD	HPD GROENEWALD	2011/03/07		
4	REMOVED ANTENNA FROM MODEM SAP NUMBERS. CREATED SEPARATE SAP NUMBERS FOR ANTENNAS	PA V	HPD GROENEWALD	HPD GROENEWALD	2009/07/16		
REV	REVISION DESCRIPTION	BY	CHKD	AUTH	DATE	REF. DWGS	
AUTH:	A. BEKKER	DATE:	30/11/2000	 D-DT-9503		SAP No:	
CHKD:	HPD GROENEWALD	DATE:	30/11/2000			0207026	0184058
DRAWN:	HPD GROENEWALD PA VERMAAK	DATE:	30/11/2000			0184060	0184059
				SET	SHEET	REV	
				9	4	7	

SPEC SHEET

SAP MATERIAL No.:	0246196				
SHORT DESCRIPTION:	ANTENNA, WHIP GSM D9503				
TECH. DESCRIPTION:	WHIP TYPE ANTENNA - DUAL BAND ANTENNA 3dB (1800MHz), 4dB (900MHz) * WITH 1.5m LOW LOSS RG174 COAX CABLE EXTENSION WITH MALE SMA CONNECTORS * ESKOM DRAWING No. D-DT-9503 *				
SAP MATERIAL No.:	0246197				
SHORT DESCRIPTION:	ANTENNA, WEBB ESKANT GSM D9503				
TECH. DESCRIPTION:	WEBB ESKANT TYPE - DUAL BAND ANTENNA 3dB (1800MHz), 4dB (900MHz) * WITH 1.5m LOW LOSS LMR 195 COAX CABLE EXTENSION WITH MALE SMA CONNECTORS *				
					
	ESKOM DRAWING No. D-DT-9503 *				
SAP MATERIAL No.:	0247012				
SHORT DESCRIPTION:	ANTENNA, WEBB DOORSTOP GSM D9503				
TECH. DESCRIPTION:	WEBB DOORSTOP TYPE - DUAL BAND ANTENNA 3dB (1800MHz), 4dB (900MHz) * WITH 2m LOW LOSS LMR 195 COAX CABLE EXTENSION WITH MALE SMA CONNECTORS *				
					
	ESKOM DRAWING No. D-DT-9503 *				
SAP MATERIAL No.:	0246198				
SHORT DESCRIPTION:	ANTENNA, WEBB LP1000 GSM D9503				
TECH. DESCRIPTION:	WEBB LP1000 TYPE - DUAL BAND ANTENNA 10dBi WITH N-TYPE FEMALE CONNECTOR * WITH OPTION OF 3m / 4m / 5 m LOW LOSS LMR 195 COAX CABLE EXTENSION * WITH N-TYPE MALE AND MALE SMA CONNECTORS *				
					
	ESKOM DRAWING No. D-DT-9503 *				
7	SAP NUMBER 0708076 AND 0708077 ADDED.	J.S	HPD GROENEWALD	HPD GROENEWALD	2022-07-30
5	ADDED ITEMS FOR A GENERAL DESCRIPTION AND THE METACOM MC402. DELETED SAP 0184057, 0207021, 0198202	HPD.G.	HPD GROENEWALD	HPD GROENEWALD	2011/03/07
4	REMOVED ANTENNA FROM MODEM SAP NUMBERS. CREATED SEPARATE SAP NUMBERS FOR ANTENNAS	PA V	HPD GROENEWALD	HPD GROENEWALD	2009/07/16
REV	REVISION DESCRIPTION	BY	CHKD	AUTH	DATE
AUTH:	A. BEKKER	DATE:	30/11/2000		
CHKD:	HPD GROENEWALD	DATE:	30/11/2000		
DRAWN:	HPD GROENEWALD PA VERMAAK	DATE:	30/11/2000	FILE No:	D-DT-9503
			SCALE	SAP No:	
			NTS	0246196	
			CAD REF:	0247012	
			SERIES 9000	0246197	
			SET		SHEET
			9		5
			REV		7

SPEC SHEET

SAP MATERIAL No.:	0246199
SHORT DESCRIPTION:	ANTENNA, GSM CELLPOYNT D9503

TECH. DESCRIPTION:	
POYNTING YAGI-A0016 - YAGI GSM CELLPOYNT 14 dBi ANTENNA WITH 30 cm LOW LOSS LMR195 CABLE EXTENSION WITH N-TYPE FEMALE CONNECTOR* WITH THE OPTION OF 3m / 4m / 5m LMR195 CABLE EXTENSION * WITH N-TYPE MALE AND MALE SMA CONNECTORS *	
	
ESKOM DRAWING No. D-DT-9503 *	

SAP MATERIAL No.:	0246200
SHORT DESCRIPTION:	ANTENNA, CELLULAR PATCH GSM D9503

TECH. DESCRIPTION:	
POYNTING PATCH A0026, 6-8 dBi WITH 30 cm LOW LOSS LMR195 CABLE EXTENSION WITH N-TYPE FEMALE CONNECTOR * WITH THE OPTION OF 3m / 4m / 5m LMR195 CABLE EXTENSION * WITH N-TYPE MALE AND MALE SMA CONNECTORS *	
	

ESKOM DRAWING No. D-DT-9503 *	
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7	SAP NUMBER 0708076 AND 0708077 ADDED.	J.S	HPD GROENEWALD	HPD GROENEWALD	2022-07-30			
5	ADDED ITEMS FOR A GENERAL DESCRIPTION AND THE METACOM MC402. DELETED SAP 0184057, 0207021, 0198202	HPD.G.	HPD GROENEWALD	HPD GROENEWALD	2011/03/07			
4	REMOVED ANTENNA FROM MODEM SAP NUMBERS. CREATED SEPARATE SAP NUMBERS FOR ANTENNAS	PA V	HPD GROENEWALD	HPD GROENEWALD	2009/07/16			
REV	REVISION DESCRIPTION	BY	CHKD	AUTH	DATE	REF. DWGS		
AUTH:	A. BEKKER	DATE:	30/11/2000	 D-DT-9503		SAP No:		
CHKD:	HPD GROENEWALD	DATE:	30/11/2000			0246199		
						0246200		
DRAWN:	HPD GROENEWALD PA VERMAAK	DATE:	30/11/2000	9503		SET	SHEET	REV
						9	6	7

SPEC SHEET

SAP MATERIAL No.:	0661600
SHORT DESCRIPTION:	MODEM:BASIC CELLULAR REMOVABLE SIM;3G

TECH. DESCRIPTION:

MODEM: TYPE: BASIC CELLULAR REMOVABLE SIM;
 POWER SOURCE: 230 VAC; SPEED: 3G;
 SPECIFICATION: ESKOM: 240-61266818;
 INTERNAL POWER SUPPLY OR DIN RAIL;
 3G METERING MODEM; SERVER MODE; WATCHDOG TIMERS;
 NETWORK MODE STATUS INDICATIONS;
 MAX DIMENSIONS: 180MM (HT) X 110MM (W) X 80MM (D);
 DIN RAIL; FEMALE SMA CONNECTOR;
 RS485 SERIAL COMMUNICATIONS DATA PORT (CONNECTOR RJ12 OR RJ45); DIAGNOSTIC PORT;
 ESKOM DRAWING No. D-DT-9503 *

SAP MATERIAL No.:	0661601
SHORT DESCRIPTION:	MODEM:BASIC CELLULAR CHIP SIM;230 VAC;3G

TECH. DESCRIPTION:

MODEM: TYPE: BASIC CELLULAR CHIP SIM;
 POWER SOURCE: 230 VAC; SPEED: 3G;
 SPECIFICATION: ESKOM: 240-61266818;
 INTERNAL POWER SUPPLY OR DIN RAIL;
 3G METERING MODEM; SERVER MODE; WATCHDOG TIMERS;
 NETWORK MODE STATUS INDICATIONS;
 MAX DIMENSIONS: 180MM (H)T X 110MM (W) X 80MM (D);
 DIN RAIL; FEMALE SMA CONNECTOR;
 RS485 SERIAL COMMUNICATIONS DATA PORT (CONNECTOR RJ12 OR RJ45); DIAGNOSTIC PORT;
 ESKOM DRAWING No. D-DT-9503 *

7	SAP NUMBER 0708076 AND 0708077 ADDED.	J.S	HPD GROENEWALD	HPD GROENEWALD	2022-07-30	
5	ADDED ITEMS FOR A GENERAL DESCRIPTION AND THE METACOM MC402. DELETED SAP 0184057, 0207021, 0198202	HPD.G.	HPD GROENEWALD	HPD GROENEWALD	2011/03/07	
4	REMOVED ANTENNA FROM MODEM SAP NUMBERS. CREATED SEPARATE SAP NUMBERS FOR ANTENNAS	PA V	HPD GROENEWALD	HPD GROENEWALD	2009/07/16	
REV	REVISION DESCRIPTION	BY	CHKD	AUTH	DATE	REF. DWGS

AUTH:	A. BEKKER	DATE:	30/11/2000	SCALE	 D-DT-9503	SAP No:				
				NTS		0661600				
CHKD:	HPD GROENEWALD	DATE:	30/11/2000	CAD REF:		0661601		SET	SHEET	REV
				SERIES 9000						
DRAWN:	HPD GROENEWALD PA VERMAAK	DATE:	30/11/2000	FILE No:						
				9503			9	7	7	

SPEC SHEET

SAP MATERIAL No.:	0661603
SHORT DESCRIPTION:	MODEM:ADVANCED CELLULAR REMOVABLE SIM

TECH. DESCRIPTION:

MODEM: TYPE: ADVANCED CELLULAR REMOVABLE SIM;
 POWER SOURCE: 110/230 VAC; 110/220 VDC; SPEED: 3G;
 SPECIFICATION: ESKOM: 240-61266818;
 INTERNAL POWER SUPPLY OR DIN RAIL; POWER DOWN DELAY; 3G METERING MODEM;
 SERVER & CLIENT MODE; DUAL SIM FUNCTIONALITY; WATCHDOG TIMERS;
 NETWORK MODE STATUS INDICATIONS; TELNET OR IP CONFIGURATION SERVICE;
 ACCESS CONTROL LIST; MAX DIMENSIONS: 180MM (H)T X 110MM (W) X 80MM (D);
 DIN RAIL; FEMALE SMA CONNECTOR; RS485 AND RS232 SERIAL COMMUNICATIONS DATA PORT
 (CONNECTOR RJ12 OR RJ45); DIAGNOSTIC PORT;
 INPUT TERMINALS; POTENTIAL FREE OUTPUT TERMINAL;
 ESKOM DRAWING No. D-DT-9503 *

SAP MATERIAL No.:	0661604
SHORT DESCRIPTION:	MODEM:ADVANCED CELLULAR CHIP SIM;3G

TECH. DESCRIPTION:

MODEM: TYPE: ADVANCED CELLULAR CHIP SIM;
 POWER SOURCE: 110/230 VAC; 110/220 VDC; SPEED: 3G;
 SPECIFICATION: ESKOM: 240-61266818;
 INTERNAL POWER SUPPLY OR DIN RAIL; POWER DOWN DELAY; 3G METERING MODEM;
 SERVER & CLIENT MODE; DUAL SIM FUNCTIONALITY; WATCHDOG TIMERS;
 NETWORK MODE STATUS INDICATIONS; TELNET OR IP CONFIGURATION SERVICE;
 ACCESS CONTROL LIST; MAX DIMENSIONS: 180MM (HT) X 110MM (W) X 80MM (D);
 DIN RAIL; FEMALE SMA CONNECTOR; RS485 AND RS232 SERIAL COMMUNICATIONS DATA PORT
 (CONNECTOR RJ12 OR RJ45); DIAGNOSTIC PORT;
 INPUT TERMINALS; POTENTIAL FREE OUTPUT TERMINAL;
 ESKOM DRAWING No. D-DT-9503 *

7	SAP NUMBER 0708076 AND 0708077 ADDED.	J.S	HPD GROENEWALD	HPD GROENEWALD	2022-07-30	
5	ADDED ITEMS FOR A GENERAL DESCRIPTION AND THE METACOM MC402. DELETED SAP 0184057, 0207021, 0198202	HPD.G.	HPD GROENEWALD	HPD GROENEWALD	2011/03/07	
4	REMOVED ANTENNA FROM MODEM SAP NUMBERS. CREATED SEPARATE SAP NUMBERS FOR ANTENNAS	PA V	HPD GROENEWALD	HPD GROENEWALD	2009/07/16	

REV	REVISION DESCRIPTION	BY	CHKD	AUTH	DATE	REF. DWGS
AUTH:	A. BEKKER	DATE:	30/11/2000	 D-DT-9503		SAP No:
CHKD:	HPD GROENEWALD	DATE:	30/11/2000			0661603
DRAWN:	HPD GROENEWALD PA VERMAAK	DATE:	30/11/2000			0661604
				SCALE		SET
				NTS		SHEET
				CAD REF:		REV
				SERIES 9000		
				FILE No:		
				9503		
					9	8
						7

SPEC SHEET

SAP MATERIAL No.:	0708076						
SHORT DESCRIPTION:	ANTENNA:POYNTING A-LPDA-0092						
TECH. DESCRIPTION:							
<p>ANTENNA: TYPE: POYNTING A-LPDA-0092; FREQUENCY: 690–3800 MHZ; DIMENSIONS: LG 1.2 M X HT 200 MM X WD 50 MM (MAX); MATERIAL: PASSIVATED ADC12; GAIN: HIGH GAIN; APPLICATION: WIDEBAND, DIRECTIONAL LTE AND WI-FI ANTENNA COVERING 690 – 3800 MHZ. COVERS ALL MOBILE, AND WIRELESS DATA BANDS INCLUDING GSM 900/ GSM1800/UMTS/LTE BANDS. SUPPLIED WITH 7M LOW LOSS HDF 195 CABLE WITH MALE SMA CONNECTOR AND ECONO BRACKETS, U-BOLTS, AND FASTENERS SUITABLE FOR POLE MOUNTING; ESKOM DRAWING No. D-DT-9503 *</p>							
SAP MATERIAL No.:	0708077						
SHORT DESCRIPTION:	ANTENNA:ROBUST LOW PROFILE;824-2500 MHZ						
TECH. DESCRIPTION:							
<p>ANTENNA: TYPE: ROBUST LOW PROFILE; FREQUENCY: 824-2500 MHZ; DIMENSIONS: DIA 100 X LG 70 X THK 50 (MAX) MM; MATERIAL: RESIN FILLED UVSTABILISED; GAIN: HIGH GAIN; MOUNT: BARREL NIPPLE M20, NUT M20; C/W LOW LOSS CABLE 2 M, MALE SMA CONNECTOR, LMR195 ESKOM DRAWING No. D-DT-9503 *</p>							
7	SAP NUMBER 0708076 AND 0708077ADDED.	J.S	HPD GROENEWALD	HPD GROENEWALD	2022-07-30		
6	SAP NO. 0661600, 0661601, 0661603 AND 0661604 ADDED.	J.S.	HPD GROENEWALD	R BROOKS	2021-08-05		
5	ADDED ITEMS FOR A GENERAL DESCRIPTION AND THE METACOM MC402. DELETED SAP 0184057, 0207021, 0198202	HPD.G.	HPD GROENEWALD	HPD GROENEWALD	2011/03/07		
REV	REVISION DESCRIPTION	BY	CHKD	AUTH	DATE	REF. DWGS	
AUTH:	A. BEKKER	DATE:	30/11/2000		SAP No:		
CHKD:	HPD GROENEWALD	DATE:	30/11/2000		0708076		
DRAWN:	HPD GROENEWALD PA VERMAAK	DATE:	30/11/2000		0708077		
				D-DT-9503	SET	SHEET	REV
					9	9	7