# N120/N125 CONTROLLER

# Communication Manual - V1.1x

# 1. SERIAL COMMUNICATION

# 1.1 COMMUNICATION INTERFACE

The optional serial interface RS485 allows to address up to 247 controllers in a network communicating remotely with a host computer or master controller.

#### **RS485 Interface**

- Compatible line signals with RS485 standard
- 3 wire connection from master to up to 31 slaves indicators in a multidrop bus. It is
  possible address 247 nodes with multiple outputs converters.
- Maximum communication distance: 1000 meters
- The RS485 signals are:

D1 = D: Bidirectional data line. D0 =  $\overline{D}$ : Bidirectional inverted data line.

C = GND: Optional connection which left communication better.

#### **General Characteristics**

- Optically isolated serial interface
- Programmable baud rate: 1200, 2400, 4800, 9600, 19200, 38400, 57600 or 115200 bps.
- Data Bits: 8
- · Parity: None, Even or Odd.
- Stop Bits: 1

#### **Communication Protocol**

The MOSBUS RTU slave is implemented, available in most SCADA softwares in the market.

All configurable parameters can be accessed (for reading or writing) through the Registers Table. Broadcast commands are supported as well (address 0).

The available Modbus commands are:

- 03 Read Holding Register
- 05 Force Single Coil (Force Digital Output state)
- 06 Preset Single Register
- 16 Preset Multiple Registers (Block write to multiple holding registers)

The registers are arranged in a table in such a way that several registers can be read in the same request.

# 1.2 CONFIGURATION OF SERIAL COMMUNICATION PARAMETERS

Two parameters must be configured in the device for serial communication:

**bRud**: Baud rate. All devices with same baud rate.

**Rddr**: Device communication address. Each device must have an exclusive address.

Prty: Paraty.

# 1.3 REGISTERS TABLE

Equivalent to the registers referenced as 4XXXX.

The holding registers are basically a list of the internal indicator parameters. All registers above address 12 can be read or written. The registers up to this address in more are read only. Please verify each case. Each table parameter is a 16 bits two complement signed word.

Holding Registers	Parameter	Register Description
0000	Active SP	Read: Active control SP (main SP, from ramp and soak or from remote SP).
		Write: to main SP
		Range: from <b>5PLL</b> to <b>5PHL</b> .
0001	PV	Read: Process Variable.
		Write: Not allowed.
		Range: Minimum value is the one configured in <b>5PLL</b> and the maximum value is the one configured in <b>5PHL</b> . Decimal point position depends on <b>dPPa</b> value.
		In case of temperature reading, the value read is always multiplied by 10, independently of <b>dPPo</b> value.

0002	MV	Read: Output Power in automatic or manual mode.
		Write: Not allowed. See address 28.
		Range: 0 to 1000 (0.0 to 100.0%).
0003	Remote SP	Read/Write: Selected input type for remote SP.
	type	Range: 0 to 3
0004	Display	Read: Current value shown on display.
	value	Write: Current value shown on display.
		Range: -1999 to 9999. The range depends on the displayed parameter.
0005	Screen number	Read: Current screen number.
	number	Write: not allowed. Range: 0000h to 060Ch
		Prompt number format: XXYYh, where:
		XX->menu cycle number (check item 4 - INSTALLATION/CONNECTIONS)
		YY→prompt number (index).
0006	Status Word	Read: Status bits. See table 2. Write: not allowed.
	1	Read values: See table 2
0007	Software	Read: The firmware version of controller.
	Version	Write: not allowed.
		Read values: If V1.00, the read value will be 100.
8000	ID	Read: controller identification number. Write: not allowed.
		Values: 32 – N120 Controller 37 – N125
		Other values: special instruments.
0009	Status Word 2	Read: Status bits. Write: not allowed.
		Read values: See table 2.
0010	Status Word 3	Read: Status bits. Write: not allowed.
		Read values: See table 2.
0011	Ir	Integral Rate (in repetitions/min)
		Range: 0 to 9999 (0.00 to 99.99)
0012	dŁ	Derivative Time (in seconds).
		Range: 0 to 3000 (0.0 to 300.0)
0013	РЬ	Proportional Band (in percentage)
		Range: 0 to 5000 (0.0 to 500.0)
0014	Łb85	Read/Write: Time base for the ramp and soak programs.
		Range: 0 – 1 (seconds/minutes)
0015	cŁ	Cycle Time (PWM, in seconds)
		Range: 5 to 1000 (0.5 to 100.0)
0016	FrE9	Read/Write: Mains frequency.
		Range: 0 – 1 (60/50Hz)
0017	HYSE	On/Off Control Hysteresis (in selected type engineering unit).
		Range: 0 to <b>SPHL</b> - <b>SPLL</b>
0018	FLEr	Read/Write: PV digital filter gain.
		Range: 0 – 20
0019	ouLL	Output Low Limit (minimum output power)
		Range: 0 to 1000 (0.0 to 100.0%).
0020	ouHL	Output High Limit (minimum output power)
		Range: 0 to 1000 (0.0 to 100.0%).
0021	Reserved	Internal use.
0022	Reserved	Internal use.

	1	T
0023	Serial number H	Serial Number High (Upper display).
	Tiumboi Ti	Range: 0 to 9999. Read only.
0024	Serial number L	Serial Number Low (Lower display).
		Range: 0 to 9999. Read only.
0025	SV	Control Setpoint (Prompt Setpoint).
		Range: from <b>5PLL</b> to <b>5PHL</b> .
0026	SPLL	Setpoint Low limit.
		Range: minimum value depends on the input type selected in <b>LYPE</b> (see Table 1) to <b>SPHL</b> .
0027	5PHL	Setpoint High limit.
		Range: minimum value is <b>SPLL</b> and maximum depends on the input type selected in <b>LYPE</b> (see Table 1).
0028	Reserved	Internal use.
0029	oFF5	Offset value of PV(Process value).
		Range: from <b>5PLL</b> to <b>5PHL</b>
0030	dPPo	PV decimal point position
		Range: 0 to 3
		0->0.000; 1->00.00; 2->000.0; 3->0000
0031	5P,R 1	Alarm 1 Setpoint.
		Range: From <b>SPLL</b> to <b>SPHL</b> for non differential; and <b>SPHL - SPLL</b> for differential alarm.
0032	SP.R2	Alarm 2 Setpoint. Range: same as in <b>SPR I</b> .
0033	SP.R3	Alarm 3 Setpoint. Range: same as in <b>SPR 1</b> .
0034	SP,A4	Alarm 4 Setpoint. Range: same as in <b>SPR I</b> .
0035	FuR t	Alarm 1 Function. Range: 0 to 8
		0 → aFF
0036	FuR2	1 → Err
		2→ <b>t.End</b> 3→ <b>r.5</b>
0037	FuR3	4→ <b>Lo</b>
		5 → H I _ 6 → d IF
0038	FuRY	7→ d IFL;
		8→ d IFH;
0039	HYR I	Alarm 1 Hysteresis. Range: 0 to 9999 (0.00 to 99.99%)
0040	HYR2	Alarm 2 Hysteresis. Range: same as in HYR 1.
0041	HYRE	Alarm 3 Hysteresis. Range: same as in HYR I.
0042	HYRY	Alarm 4 Hysteresis. Range: same as in HYR 1.
0043	LYPE	PV input type:
00-10	וניי ב	0 = J
		1 = K
		2 = T 3 = N
		4 = R
		5 = S
		6=B 7=E
		8 = Pt100
		9 = 0-20 mA
		10 = 4-20 mA 11 = 0-50 mV
		12 = 0-5 V
		13 = 0-10 V
0044	Rddr	Communication slave address. Range: 1 to 247
0045	PHnq	Communication Baud-Rate:
		0->1200;1->2400;2->4800;3->9600; 4->19200;
		5→38400; 6→57600; 7→115200;

0046	Ruto	Control Mode. Range: 0→manual; 1→automatic.
0047	רחט	Enable control. Range: 0→no; 1→yes.
0048	RcŁ	Control action. Range: 0→direct; 1→reverse.
0049	Rtun	Auto tune enable:
		0= off;1= Fast; 2= Full; 3= Self; 4= rSLF; 5= tGHt;
0050	blr i	Alarm power-up inhibit. Range: 0→no; 1→yes.
0051	PT45	
0052	PT B3	
0053	<b>LR4</b>	
0054	Key	Key press remote action. Range: 0 to 9
		1: tecla P 2: tecla ∧
		4: tecla V
		8: tecla B
		9: teclas P e B
0062	A IF I	Alarm 1 Time 1. Range: 0 to 6500s.
		Refer to operation manual for more details.
0063	8 IFS	Alarm 1 Time 2 (in seconds).
0004	D7) /	Range: same as in <b>R IL 1</b> .
0064	RSF 1	Alarm 2 Time 1 (in seconds).  Range: same as in <b>FIL</b> 1.
0065	H5F5	Alarm 2 Time 2 (in seconds).
0003	neee	Range: same as in <b>FIL 1</b> .
0066	5F5Ł	Soft-Start time (in seconds).
0000	שני ינ	Range: 0 to 9999
0067	un iŁ	Temperature unit. Range: 0 to 1.
		0→°C; 1→°F.
0068	Ь IRS	Bias. Range: -100 to +100%.
0070	R&S Segment	Ramp and Soak segment being executed (read only). Range: 0 to 9.
0071	Pro	Ramp and Soak segment to be viewed or edited.
		Range: 1 to 20.
0072	E Pr	Ramp and Soak segment to be executed.
		Range: 0 to 20.
0073	Remaining time R&S	Indicates the remaining time of the Ramp and Soak segment.
0074	59r£	Square root of a linear input.
		Range: 0->Disable;1->Enable.
0075	Calibration PV Low	Enter the low input value currently applied in the PV input for calibration purposes.
0076	Calibration PV High	Enter the high input value currently applied in the PV input for calibration purposes.
0077	Calib. remote SP Low	Enter the low input value currently applied in the remote setpoint input for calibration purposes.
0078	Calib. remote SP High	Enter the high input value currently applied in the remote setpoint input for calibration purposes.
0081	FLSh	Enables the top display blinking as a function of the selected alarm:
		0-> Disable 1-> Enable to alarm 1
		2-> Enable to alarm 1
		3-> Enable to alarm 1 and 2
0086	r5£r	Restores original default calibration.
		Range: 0 to 1; 0-> do not restore; 1-> restore calibration

0087	PRSS	Write: 0
0089	Prty	Serial communication parity.
	.,,,	0-> no parity; 1 -> even parity; 2 ->odd parity;
0090	cŁYP	Customized input type.
0091		Timer set value.
	E iiiE	Maximum rate of PV.
0092	rAFE	
0093	Reserved	Internal use
0094	Fu.d 1	Digital input function:  0 – aFF
		1 – ū8n
		2-rün
		3 – <b>HPrG</b> 4 - Pr 1
0100	PE I	Segment 1 Event of R&S Program 1.
		Range: 0 to 15. Check table 6 of the instruction manual.
0101	PE2	Segment 2 Event of R&S Program 1.
		Range: same as in PE I
0102	PE3	Segment 3 Event of R&S Program 1.
	_	Range: same as in <b>PE 1</b> .
0103	PE4	Segment 4 Event of R&S Program 1.
		Range: same as in <b>PE 1</b> .
0104	PE5	Segment 5 Event of R&S Program 1.
		Range: same as in <b>PE 1</b> .
0105	PE6	Segment 6 Event of R&S Program 1.
		Range: same as in <b>PE I</b> .
0106	PE7	Segment 7 Event of R&S Program 1.
		Range: same as in <b>PE 1</b> .
0107	PE8	Segment 8 Event of R&S Program 1.
		Range: same as in <b>PE 1</b> .
0108	PE9	Segment 9 Event of R&S Program 1.
		Range: same as in PE I.
0109	PE I	Segment 1 Event of R&S Program 2.
		Range: same as in <b>PE 1</b> of Program 1.
0110	PE2	Segment 2 Event of R&S Program 2.
		Range: same as in <b>PE I</b> .
0111	PE3	Segment 3 Event of R&S Program 2.
		Range: same as in <b>PE I</b> .
0112	PE4	Segment 4 Event of R&S Program 2.
		Range: same as in <b>PE 1</b> .
0113	PE5	Segment 5 Event of R&S Program 2.
		Range: same as in <b>PE I</b> .
0114	PE6	Segment 6 Event of R&S Program 2.
		Range: same as in <b>PE I</b> .
0115	PE7	Segment 7 Event of R&S Program 2.
		Range: same as in <b>PE I</b> .
0116	PE8	Segment 8 Event of R&S Program 2.
		Range: same as in <b>PE I</b> .
0117	PE9	Segment 9 Event of R&S Program 2.
		Range: same as in <b>PE 1</b> .

0119	PE I	Segment 1 Event of R&S Program 3.
		Range: same as in <b>PE 1</b> of Program 1.
0120	PE2	Segment 2 Event of R&S Program 3.
		Range: same as in <b>PE 1</b> .
0118	PE3	Segment 3 Event of R&S Program 3.
		Range: same as in <b>PE 1</b> .
0121	PE4	Segment 4 Event of R&S Program 3.
		Range: same as in <b>PE 1</b> .
0122	PE5	Segment 5 Event of R&S Program 3.
		Range: same as in <b>PE 1</b> .
0123	PE6	Segment 6 Event of R&S Program 3.
		Range: same as in <b>PE 1</b> .
0124	PE7	Segment 7 Event of R&S Program 3.
		Range: same as in <b>PE 1</b> .
0125	PE8	Segment 8 Event of R&S Program 3.
		Range: same as in <b>PE 1</b> .
0126	PE9	Segment 9 Event of R&S Program 3.
		Range: same as in <b>PE 1</b> .
0127	PE I	Segment 1 Event of R&S Program 4.
		Range: same as in <b>PE 1</b> of Program 1.
0128	PE2	Segment 2 Event of R&S Program 4.
		Range: same as in <b>PE 1</b> .
0129	PE3	Segment 3 Event of R&S Program 4.
		Range: same as in <b>PE 1</b> .
0130	PE4	Segment 4 Event of R&S Program 4.
		Range: same as in <b>PE 1</b> .
0131	PE5	Segment 5 Event of R&S Program 4.
		Range: same as in <b>PE 1</b> .
0132	PE6	Segment 6 Event of R&S Program 4.
0400	053	Range: same as in <b>PE 1</b> .
0133	PE7	Segment 7 Event of R&S Program 4.
0124	050	Range: same as in <b>PE 1</b> .
0134	PE8	Segment 8 Event of R&S Program 4.
0135	DED	Range: same as in <b>PE 1</b> .  Segment 9 Event of R&S Program 4.
0133	PE9	Range: same as in <b>PE 1</b> .
0136	PE I	Segment 1 Event of R&S Program 5.
0130	rei	Range: same as in <b>PE I</b> of Program 1.
0137	PE2	Segment 2 Event of R&S Program 5.
0107	,	Range: same as in <b>PE 1</b> .
0138	PE3	Segment 3 Event of R&S Program 5.
	,	Range: same as in <b>PE 1</b> .
0139	PE4	Segment 4 Event of R&S Program 5.
		Range: same as in <b>PE 1</b> .
0140	PE5	Segment 5 Event of R&S Program 5.
		Range: same as in <b>PE 1</b> .
0141	PE6	Segment 6 Event of R&S Program 5.
		Range: same as in <b>PE 1</b> .
0142	PE7	Segment 7 Event of R&S Program 5.
		Range: same as in <b>PE 1</b> .
		1

PEB	0140	CCC	Compart 9 Front of D9 C December 5
0144         PES         Segment 9 Event of R&S Program 5.           0145         PE I         Segment 1 Event of R&S Program 6.           0146         PE2         Segment 1 Event of R&S Program 6.           0147         PE3         Segment 2 Event of R&S Program 6.           0147         PE3         Segment 3 Event of R&S Program 6.           0148         PE4         Segment 5 Event of R&S Program 6.           0149         PE5         Segment 5 Event of R&S Program 6.           0149         PE5         Segment 5 Event of R&S Program 6.           0149         PE6         Segment 5 Event of R&S Program 6.           0150         PE8         Segment 6 Event of R&S Program 6.           0150         PE8         Segment 6 Event of R&S Program 6.           0151         PE1         Segment 8 Event of R&S Program 6.           0152         PE8         Segment 8 Event of R&S Program 6.           0153         PE9         Segment 8 Event of R&S Program 7.           0154         PE1         Segment 9 Event of R&S Program 7.           0155         PE9         Segment 1 Event of R&S Program 7.           0156         PE1         Segment 2 Event of R&S Program 7.           0157         PE2         Segment 3 Event of R&S Program 7.	0143	PEB	
Range: same as in PE I.  1145 PE I Segment 1 Event of R&S Program 6. Range: same as in PE I.  1146 PE2 Segment 2 Event of R&S Program 6. Range: same as in PE I.  1147 PE3 Segment 3 Event of R&S Program 6. Range: same as in PE I.  1148 PE4 Segment 4 Event of R&S Program 6. Range: same as in PE I.  1149 PE5 Segment 5 Event of R&S Program 6. Range: same as in PE I.  1150 PE6 Segment 6 Event of R&S Program 6. Range: same as in PE I.  1151 PE1 Segment 6 Event of R&S Program 6. Range: same as in PE I.  1152 PE8 Segment 8 Event of R&S Program 6. Range: same as in PE I.  1153 PE9 Segment 8 Event of R&S Program 6. Range: same as in PE I.  1154 PE I Segment 9 Event of R&S Program 7. Range: same as in PE I.  1155 PE2 Segment 2 Event of R&S Program 7. Range: same as in PE I.  1156 PE3 Segment 3 Event of R&S Program 7. Range: same as in PE I.  1157 PE4 Segment 4 Event of R&S Program 7. Range: same as in PE I.  1158 PE5 Segment 5 Event of R&S Program 7. Range: same as in PE I.  1159 PE4 Segment 6 Event of R&S Program 7. Range: same as in PE I.  1150 PE5 Segment 6 Event of R&S Program 7. Range: same as in PE I.  1159 PE5 Segment 6 Event of R&S Program 7. Range: same as in PE I.  1159 PE6 Segment 6 Event of R&S Program 7. Range: same as in PE I.  1159 PE6 Segment 6 Event of R&S Program 7. Range: same as in PE I.  1150 PE7 Segment 6 Event of R&S Program 7. Range: same as in PE I.  1150 PE8 Segment 6 Event of R&S Program 7. Range: same as in PE I.  1160 PE8 Segment 8 Event of R&S Program 7. Range: same as in PE I.  1161 PE8 Segment 8 Event of R&S Program 7. Range: same as in PE I.  1162 PE9 Segment 8 Event of R&S Program 8. Range: same as in PE I of Program 1.  1164 PE6 Segment 8 Event of R&S Program 8. Range: same as in PE I.  1165 PE3 Segment 3 Event of R&S Program 8. Range: same as in PE I.  1166 PE4 Segment 4 Event of R&S Program 8. Range: same as in PE I.			
0145         PE I         Segment 1 Event of R&S Program 6.           0146         PE2         Segment 2 Event of R&S Program 6.           0147         PE3         Segment 3 Event of R&S Program 6.           0148         PE4         Segment 3 Event of R&S Program 6.           0148         PE4         Segment 4 Event of R&S Program 6.           0149         PE5         Segment 5 Event of R&S Program 6.           0149         PE5         Segment 6 Event of R&S Program 6.           0150         PE6         Segment 6 Event of R&S Program 6.           0150         PE7         Segment 6 Event of R&S Program 6.           0151         PE1         Segment 8 Event of R&S Program 6.           0152         PE8         Segment 8 Event of R&S Program 6.           0153         PE9         Segment 8 Event of R&S Program 6.           0154         PE1         Segment 9 Event of R&S Program 6.           0155         PE8         Segment 9 Event of R&S Program 7.           0154         PE1         Segment 9 Event of R&S Program 7.           0155         PE2         Segment 2 Event of R&S Program 7.           0156         PE3         Segment 3 Event of R&S Program 7.           0157         PE4         Segment 4 Event of R&S Program 7.	0144	PE9	
Range: same as in PE I.  O146 PE2 Segment 2 Event of R&S Program 6. Range: same as in PE I.  O147 PE3 Segment 3 Event of R&S Program 6. Range: same as in PE I.  O148 PE4 Segment 4 Event of R&S Program 6. Range: same as in PE I.  O149 PE5 Segment 5 Event of R&S Program 6. Range: same as in PE I.  O150 PE6 Segment 6 Event of R&S Program 6. Range: same as in PE I.  O151 PE7 Segment 7 Event of R&S Program 6. Range: same as in PE I.  O152 PE8 Segment 8 Event of R&S Program 6. Range: same as in PE I.  O153 PE9 Segment 9 Event of R&S Program 6. Range: same as in PE I.  O154 PE I Segment 1 Event of R&S Program 7. Range: same as in PE I.  O155 PE2 Segment 1 Event of R&S Program 7. Range: same as in PE I.  O156 PE3 Segment 2 Event of R&S Program 7. Range: same as in PE I.  O157 PE4 Segment 4 Event of R&S Program 7. Range: same as in PE I.  O158 PE5 Segment 5 Event of R&S Program 7. Range: same as in PE I.  O159 PE6 Segment 6 Event of R&S Program 7. Range: same as in PE I.  O160 PE7 Segment 6 Event of R&S Program 7. Range: same as in PE I.  O160 PE7 Segment 6 Event of R&S Program 7. Range: same as in PE I.  O160 PE7 Segment 6 Event of R&S Program 7. Range: same as in PE I.  O160 PE8 Segment 6 Event of R&S Program 7. Range: same as in PE I.  O160 PE7 Segment 6 Event of R&S Program 7. Range: same as in PE I.  O160 PE7 Segment 6 Event of R&S Program 7. Range: same as in PE I.  O160 PE8 Segment 8 Event of R&S Program 7. Range: same as in PE I.  O160 PE9 Segment 8 Event of R&S Program 7. Range: same as in PE I.  O160 PE9 Segment 8 Event of R&S Program 8. Range: same as in PE I.  O160 PE9 Segment 2 Event of R&S Program 8. Range: same as in PE I.  O160 PE9 Segment 2 Event of R&S Program 8. Range: same as in PE I.  O160 PE9 Segment 2 Event of R&S Program 8. Range: same as in PE I.  O160 PE9 Segment 4 Event of R&S Program 8. Range: same as in PE I.			
0146         PE2         Segment 2 Event of R&S Program 6.           0147         PE3         Segment 3 Event of R&S Program 6.           0148         PE4         Segment 3 Event of R&S Program 6.           0149         PE5         Segment 5 Event of R&S Program 6.           0150         PE6         Segment 5 Event of R&S Program 6.           0150         PE6         Segment 6 Event of R&S Program 6.           0151         PE7         Segment 7 Event of R&S Program 6.           0152         PE8         Segment 8 Event of R&S Program 6.           0153         PE9         Segment 8 Event of R&S Program 6.           0154         PE1         Segment 8 Event of R&S Program 7.           0155         PE8         Segment 8 Event of R&S Program 7.           0154         PE1         Segment 8 Event of R&S Program 7.           0155         PE2         Segment 2 Event of R&S Program 7.           0156         PE3         Segment 2 Event of R&S Program 7.           0157         PE4         Segment 3 Event of R&S Program 7.           0158         PE3         Segment 4 Event of R&S Program 7.           0159         PE4         Segment 5 Event of R&S Program 7.           0160         PE3         Segment 6 Event of R&S Program 7.	0145	PE I	
Range: same as in PE I.			
	0146	PE2	
Range: same as in PE I.  1148 PEY Segment 4 Event of R&S Program 6. Range: same as in PE I.  1149 PES Segment 5 Event of R&S Program 6. Range: same as in PE I.  1150 PEB Segment 6 Event of R&S Program 6. Range: same as in PE I.  1151 PET Segment 7 Event of R&S Program 6. Range: same as in PE I.  1152 PEB Segment 8 Event of R&S Program 6. Range: same as in PE I.  1153 PES Segment 8 Event of R&S Program 6. Range: same as in PE I.  1154 PE I Segment 1 Event of R&S Program 7. Range: same as in PE I.  1155 PEC Segment 2 Event of R&S Program 7. Range: same as in PE I.  1156 PES Segment 3 Event of R&S Program 7. Range: same as in PE I.  1157 PEY Segment 3 Event of R&S Program 7. Range: same as in PE I.  1158 PES Segment 4 Event of R&S Program 7. Range: same as in PE I.  1159 PES Segment 5 Event of R&S Program 7. Range: same as in PE I.  1159 PES Segment 6 Event of R&S Program 7. Range: same as in PE I.  1150 PET Segment 6 Event of R&S Program 7. Range: same as in PE I.  1150 PET Segment 6 Event of R&S Program 7. Range: same as in PE I.  1150 PET Segment 6 Event of R&S Program 7. Range: same as in PE I.  1150 PET Segment 8 Event of R&S Program 7. Range: same as in PE I.  1150 PEB Segment 8 Event of R&S Program 7. Range: same as in PE I.  1150 PEB Segment 8 Event of R&S Program 7. Range: same as in PE I.  1150 PEB Segment 9 Event of R&S Program 8. Range: same as in PE I Of Program 1.  1150 PES Segment 1 Event of R&S Program 8. Range: same as in PE I.  1150 PES Segment 2 Event of R&S Program 8. Range: same as in PE I.  1150 PES Segment 3 Event of R&S Program 8. Range: same as in PE I.  1150 PES Segment 5 Event of R&S Program 8. Range: same as in PE I.  1150 PES Segment 5 Event of R&S Program 8. Range: same as in PE I.  1150 PES Segment 5 Event of R&S Program 8. Range: same as in PE I.  1150 PES Segment 5 Event of R&S Program 8. Range: same as in PE I.			•
0148         PEH         Segment 4 Event of R&S Program 6.           0149         PES         Segment 5 Event of R&S Program 6.           0150         PEB         Segment 6 Event of R&S Program 6.           0150         PEB         Segment 6 Event of R&S Program 6.           0151         PET         Segment 7 Event of R&S Program 6.           0152         PEB         Segment 8 Event of R&S Program 6.           0153         PES         Segment 9 Event of R&S Program 6.           0154         PE I         Segment 9 Event of R&S Program 6.           0155         Range: same as in PE I.           0154         PE I         Segment 9 Event of R&S Program 7.           0155         Range: same as in PE I.           0155         PE2         Segment 2 Event of R&S Program 7.           0156         PE3         Segment 3 Event of R&S Program 7.           0157         PE4         Segment 3 Event of R&S Program 7.           0158         PE3         Segment 4 Event of R&S Program 7.           0159         PE4         Segment 5 Event of R&S Program 7.           0159         PE5         Segment 5 Event of R&S Program 7.           0159         PE6         Segment 6 Event of R&S Program 7.           0160         PE7         Segmen	0147	PE3	
Range: same as in PE I.  1150 PEB Segment 5 Event of R&S Program 6. Range: same as in PE I.  1151 PET Segment 7 Event of R&S Program 6. Range: same as in PE I.  1152 PEB Segment 8 Event of R&S Program 6. Range: same as in PE I.  1153 PEB Segment 8 Event of R&S Program 6. Range: same as in PE I.  1154 PE I Segment 9 Event of R&S Program 6. Range: same as in PE I.  1155 PE Segment 1 Event of R&S Program 7. Range: same as in PE I.  1155 PE Segment 1 Event of R&S Program 7. Range: same as in PE I.  1155 PE Segment 2 Event of R&S Program 7. Range: same as in PE I.  1157 PE Segment 4 Event of R&S Program 7. Range: same as in PE I.  1158 PE Segment 5 Event of R&S Program 7. Range: same as in PE I.  1159 PE Segment 6 Event of R&S Program 7. Range: same as in PE I.  1160 PE Segment 7 Event of R&S Program 7. Range: same as in PE I.  1161 PEB Segment 8 Event of R&S Program 7. Range: same as in PE I.  1162 PE Segment 8 Event of R&S Program 7. Range: same as in PE I.  1163 PE Segment 8 Event of R&S Program 7. Range: same as in PE I.  1164 PE Segment 9 Event of R&S Program 7. Range: same as in PE I.  1165 PE Segment 1 Event of R&S Program 8. Range: same as in PE I.  1166 PE Segment 2 Event of R&S Program 8. Range: same as in PE I.  1166 PE Segment 3 Event of R&S Program 8. Range: same as in PE I.  1166 PE Segment 1 Event of R&S Program 8. Range: same as in PE I.  1166 PE Segment 2 Event of R&S Program 8. Range: same as in PE I.  1166 PE Segment 3 Event of R&S Program 8. Range: same as in PE I.			
0149         PE5         Segment 5 Event of R&S Program 6.           0150         PE6         Segment 6 Event of R&S Program 6.           0151         PE7         Segment 7 Event of R&S Program 6.           0151         PE8         Segment 8 Event of R&S Program 6.           0152         PE8         Segment 8 Event of R&S Program 6.           0153         PE9         Segment 9 Event of R&S Program 6.           0154         PE 1         Segment 9 Event of R&S Program 7.           0155         PE2         Segment 1 Event of R&S Program 7.           0155         PE2         Segment 2 Event of R&S Program 7.           0156         PE3         Segment 3 Event of R&S Program 7.           0157         PE4         Segment 4 Event of R&S Program 7.           0158         PE5         Segment 5 Event of R&S Program 7.           0159         PE5         Segment 5 Event of R&S Program 7.           0160         PE7         Segment 6 Event of R&S Program 7.           0160         PE7         Segment 7 Event of R&S Program 7.           0161         PE8         Segment 8 Event of R&S Program 7.           0162         PE9         Segment 8 Event of R&S Program 7.           0163         PE 1         Segment 1 Event of R&S Program 8.	0148	PE4	
Range: same as in PE 1.			, and the second
0150         PEB         Segment 6 Event of R&S Program 6.           0151         PET         Segment 7 Event of R&S Program 6.           0152         PEB         Segment 8 Event of R&S Program 6.           0152         PEB         Segment 8 Event of R&S Program 6.           0153         PES         Segment 9 Event of R&S Program 6.           0153         PES         Segment 9 Event of R&S Program 6.           0154         PE I         Segment 9 Event of R&S Program 7.           0155         PE2         Segment 1 Event of R&S Program 7.           0155         PE2         Segment 2 Event of R&S Program 7.           0156         PE3         Segment 3 Event of R&S Program 7.           0157         PE4         Segment 3 Event of R&S Program 7.           0158         PE5         Segment 4 Event of R&S Program 7.           0159         PE5         Segment 5 Event of R&S Program 7.           0159         PE6         Segment 6 Event of R&S Program 7.           0160         PE7         Segment 7 Event of R&S Program 7.           0160         PE7         Segment 8 Event of R&S Program 7.           0161         PE8         Segment 9 Event of R&S Program 7.           0162         PE9         Segment 9 Event of R&S Program 8.	0149	PE5	
Range: same as in PE I.  10151 PE T Segment 7 Event of R&S Program 6. Range: same as in PE I.  10152 PEB Segment 8 Event of R&S Program 6. Range: same as in PE I.  10153 PE Segment 9 Event of R&S Program 6. Range: same as in PE I.  10154 PE I Segment 1 Event of R&S Program 7. Range: same as in PE I for Program 1.  10155 PE Segment 2 Event of R&S Program 7. Range: same as in PE I.  10156 PE Segment 3 Event of R&S Program 7. Range: same as in PE I.  10157 PE Segment 4 Event of R&S Program 7. Range: same as in PE I.  10158 PE Segment 5 Event of R&S Program 7. Range: same as in PE I.  10159 PE Segment 6 Event of R&S Program 7. Range: same as in PE I.  10160 PE Segment 6 Event of R&S Program 7. Range: same as in PE I.  10161 PE Segment 8 Event of R&S Program 7. Range: same as in PE I.  10162 PE Segment 8 Event of R&S Program 7. Range: same as in PE I.  10163 PE I Segment 9 Event of R&S Program 7. Range: same as in PE I.  10164 PE Segment 1 Event of R&S Program 8. Range: same as in PE I.  10165 PE Segment 2 Event of R&S Program 8. Range: same as in PE I.  10166 PE Segment 3 Event of R&S Program 8. Range: same as in PE I.  10167 PE Segment 4 Event of R&S Program 8. Range: same as in PE I.  10168 PE Segment 3 Event of R&S Program 8. Range: same as in PE I.  10166 PE Segment 4 Event of R&S Program 8. Range: same as in PE I.  10167 PE Segment 5 Event of R&S Program 8. Range: same as in PE I.  10166 PE Segment 4 Event of R&S Program 8. Range: same as in PE I.			ů
0151         PE1         Segment 7 Event of R&S Program 6.           0152         PEB         Segment 8 Event of R&S Program 6.           0153         PE9         Segment 9 Event of R&S Program 6.           0153         PE9         Segment 9 Event of R&S Program 6.           0154         PE 1         Segment 1 Event of R&S Program 7.           0155         PE2         Segment 1 Event of R&S Program 7.           0156         PE3         Segment 2 Event of R&S Program 7.           0157         PE4         Segment 3 Event of R&S Program 7.           0157         PE4         Segment 4 Event of R&S Program 7.           0158         PE5         Segment 5 Event of R&S Program 7.           0159         PE5         Segment 6 Event of R&S Program 7.           0160         PE7         Segment 6 Event of R&S Program 7.           0160         PE7         Segment 7 Event of R&S Program 7.           0161         PE8         Segment 8 Event of R&S Program 7.           0162         PE9         Segment 9 Event of R&S Program 7.           0163         PE 1         Segment 1 Event of R&S Program 8.           0164         PE2         Segment 1 Event of R&S Program 8.           0165         PE3         Segment 3 Event of R&S Program 8.	0150	PE6	
Range: same as in PE I.  10152 PEB Segment 8 Event of R&S Program 6. Range: same as in PE I.  10153 PE9 Segment 9 Event of R&S Program 6. Range: same as in PE I.  10154 PE I Segment 1 Event of R&S Program 7. Range: same as in PE I for Program 1.  10155 PE2 Segment 2 Event of R&S Program 7. Range: same as in PE I.  10156 PE3 Segment 3 Event of R&S Program 7. Range: same as in PE I.  10157 PE4 Segment 4 Event of R&S Program 7. Range: same as in PE I.  10158 PE5 Segment 5 Event of R&S Program 7. Range: same as in PE I.  10159 PE5 Segment 6 Event of R&S Program 7. Range: same as in PE I.  10160 PE 1 Segment 6 Event of R&S Program 7. Range: same as in PE I.  10161 PEB Segment 8 Event of R&S Program 7. Range: same as in PE I.  10162 PE9 Segment 9 Event of R&S Program 7. Range: same as in PE I.  10163 PE I Segment 1 Event of R&S Program 8. Range: same as in PE I of Program 1.  10164 PE2 Segment 2 Event of R&S Program 8. Range: same as in PE I.  10165 PE3 Segment 3 Event of R&S Program 8. Range: same as in PE I.  10166 PE4 Segment 2 Event of R&S Program 8. Range: same as in PE I.  10167 PE5 Segment 5 Event of R&S Program 8. Range: same as in PE I.			Range: same as in <b>PE 1</b> .
0152         PEB         Segment 8 Event of R&S Program 6.           0153         PE9         Segment 9 Event of R&S Program 6.           0154         PE 1         Segment 1 Event of R&S Program 7.           0155         PE2         Segment 1 Event of R&S Program 7.           0155         PE2         Segment 2 Event of R&S Program 7.           0156         PE3         Segment 3 Event of R&S Program 7.           0157         PE4         Segment 3 Event of R&S Program 7.           0158         PE5         Segment 4 Event of R&S Program 7.           0159         PE5         Segment 5 Event of R&S Program 7.           0159         PE5         Segment 6 Event of R&S Program 7.           0160         PE 1         Segment 7 Event of R&S Program 7.           0160         PE 1         Segment 8 Event of R&S Program 7.           0161         PEB         Segment 8 Event of R&S Program 7.           0162         PE9         Segment 8 Event of R&S Program 7.           0163         PE 1         Segment 9 Event of R&S Program 8.           0164         PE2         Segment 1 Event of R&S Program 8.           0165         PE3         Segment 2 Event of R&S Program 8.           0166         PE4         Segment 4 Event of R&S Program 8. <t< td=""><td>0151</td><td>PE7</td><td></td></t<>	0151	PE7	
Range: same as in PE I.  PE9 Segment 9 Event of R&S Program 6. Range: same as in PE I.  PE I Segment 1 Event of R&S Program 7. Range: same as in PE I for Program 1.  PE2 Segment 2 Event of R&S Program 7. Range: same as in PE I.  PE3 Segment 3 Event of R&S Program 7. Range: same as in PE I.  PE4 Segment 4 Event of R&S Program 7. Range: same as in PE I.  PE5 Segment 5 Event of R&S Program 7. Range: same as in PE I.  PE6 Segment 6 Event of R&S Program 7. Range: same as in PE I.  PE7 Segment 7 Event of R&S Program 7. Range: same as in PE I.  PE8 Segment 8 Event of R&S Program 7. Range: same as in PE I.  PE9 Segment 8 Event of R&S Program 7. Range: same as in PE I.  PE9 Segment 9 Event of R&S Program 7. Range: same as in PE I.  PE9 Segment 1 Event of R&S Program 7. Range: same as in PE I.  PE9 Segment 1 Event of R&S Program 8. Range: same as in PE I of Program 1.  PE2 Segment 2 Event of R&S Program 8. Range: same as in PE I.  PE9 Segment 3 Event of R&S Program 8. Range: same as in PE I.  PE9 Segment 4 Event of R&S Program 8. Range: same as in PE I.  PE9 Segment 4 Event of R&S Program 8. Range: same as in PE I.  PE9 Segment 4 Event of R&S Program 8. Range: same as in PE I.			Range: same as in <b>PE 1</b> .
Segment 9 Event of R&S Program 6. Range: same as in PE 1.  PE 1 Segment 1 Event of R&S Program 7. Range: same as in PE 1 for Program 1.  PE2 Segment 2 Event of R&S Program 7. Range: same as in PE 1.  PE3 Segment 3 Event of R&S Program 7. Range: same as in PE 1.  PE4 Segment 3 Event of R&S Program 7. Range: same as in PE 1.  PE5 Segment 4 Event of R&S Program 7. Range: same as in PE 1.  PE5 Segment 5 Event of R&S Program 7. Range: same as in PE 1.  PE6 Segment 6 Event of R&S Program 7. Range: same as in PE 1.  PE7 Segment 7 Event of R&S Program 7. Range: same as in PE 1.  PE8 Segment 8 Event of R&S Program 7. Range: same as in PE 1.  PE9 Segment 9 Event of R&S Program 7. Range: same as in PE 1.  PE9 Segment 1 Event of R&S Program 7. Range: same as in PE 1.  PE9 Segment 1 Event of R&S Program 8. Range: same as in PE 1 of Program 8. Range: same as in PE 1.  PE8 Segment 2 Event of R&S Program 8. Range: same as in PE 1.  PE9 Segment 3 Event of R&S Program 8. Range: same as in PE 1.  PE9 Segment 4 Event of R&S Program 8. Range: same as in PE 1.  PE9 Segment 4 Event of R&S Program 8. Range: same as in PE 1.  PE9 Segment 4 Event of R&S Program 8. Range: same as in PE 1.	0152	PE8	Segment 8 Event of R&S Program 6.
Range: same as in PE I.  10154 PE I Segment 1 Event of R&S Program 7.  Range: same as in PE I for Program 1.  10155 PE2 Segment 2 Event of R&S Program 7.  Range: same as in PE I.  10156 PE3 Segment 3 Event of R&S Program 7.  Range: same as in PE I.  10157 PE4 Segment 4 Event of R&S Program 7.  Range: same as in PE I.  10158 PE5 Segment 5 Event of R&S Program 7.  Range: same as in PE I.  10159 PE6 Segment 6 Event of R&S Program 7.  Range: same as in PE I.  10160 PE7 Segment 7 Event of R&S Program 7.  Range: same as in PE I.  10161 PE8 Segment 8 Event of R&S Program 7.  Range: same as in PE I.  10162 PE9 Segment 9 Event of R&S Program 7.  Range: same as in PE I.  10163 PE I Segment 1 Event of R&S Program 8.  Range: same as in PE I of Program 1.  10164 PE2 Segment 2 Event of R&S Program 8.  Range: same as in PE I.  10165 PE3 Segment 3 Event of R&S Program 8.  Range: same as in PE I.  10166 PE4 Segment 4 Event of R&S Program 8.  Range: same as in PE I.			Range: same as in <b>PE 1</b> .
O154       PE I       Segment 1 Event of R&S Program 7.         Range: same as in PE I for Program 1.         O155       PE2       Segment 2 Event of R&S Program 7.         Range: same as in PE I.       Range: same as in PE I.         O157       PE4       Segment 3 Event of R&S Program 7.         Range: same as in PE I.       Range: same as in PE I.         O158       PE5       Segment 5 Event of R&S Program 7.         Range: same as in PE I.       Range: same as in PE I.         O160       PE7       Segment 7 Event of R&S Program 7.         Range: same as in PE I.       Range: same as in PE I.         O161       PEB       Segment 8 Event of R&S Program 7.         Range: same as in PE I.       Range: same as in PE I.         O162       PE9       Segment 9 Event of R&S Program 7.         Range: same as in PE I.       PE I of Program 1.         O163       PE I       Segment 2 Event of R&S Program 8.         Range: same as in PE I.       Range: same as in PE I.         O164       PE3       Segment 3 Event of R&S Program 8.         Range: same as in PE I.       Segment 4 Event of R&S Program 8.         Range: same as in PE I.       Segment 4 Event of R&S Program 8.         Range: same as in PE I.       Segment 5 Event of R&S Program 8.	0153	PE9	
Range: same as in PE I for Program 1.  PE2 Segment 2 Event of R&S Program 7. Range: same as in PE I.  Segment 3 Event of R&S Program 7. Range: same as in PE I.  Segment 4 Event of R&S Program 7. Range: same as in PE I.  Segment 5 Event of R&S Program 7. Range: same as in PE I.  Segment 6 Event of R&S Program 7. Range: same as in PE I.  Segment 6 Event of R&S Program 7. Range: same as in PE I.  Range: same as in PE I.  Segment 7 Event of R&S Program 7. Range: same as in PE I.  Range: same as in PE I.  PEB Segment 8 Event of R&S Program 7. Range: same as in PE I.  Range: same as in PE I.  Segment 9 Event of R&S Program 7. Range: same as in PE I.  Range: same as in PE I.  Segment 1 Event of R&S Program 8. Range: same as in PE I.  Segment 2 Event of R&S Program 8. Range: same as in PE I.  Segment 3 Event of R&S Program 8. Range: same as in PE I.  Segment 4 Event of R&S Program 8. Range: same as in PE I.  Segment 5 Event of R&S Program 8. Range: same as in PE I.			Range: same as in <b>PE 1</b> .
Segment 2 Event of R&S Program 7. Range: same as in PE 1.  PE3 Segment 3 Event of R&S Program 7. Range: same as in PE 1.  PE4 Segment 4 Event of R&S Program 7. Range: same as in PE 1.  PE5 Segment 5 Event of R&S Program 7. Range: same as in PE 1.  PE6 Segment 6 Event of R&S Program 7. Range: same as in PE 1.  PE7 Segment 7 Event of R&S Program 7. Range: same as in PE 1.  PE8 Segment 8 Event of R&S Program 7. Range: same as in PE 1.  PE8 Segment 8 Event of R&S Program 7. Range: same as in PE 1.  PE9 Segment 9 Event of R&S Program 7. Range: same as in PE 1.  PE9 Segment 1 Event of R&S Program 8. Range: same as in PE 1 of Program 1.  PE8 Segment 2 Event of R&S Program 8. Range: same as in PE 1.  PE9 Segment 3 Event of R&S Program 8. Range: same as in PE 1.  PE9 Segment 3 Event of R&S Program 8. Range: same as in PE 1.  PE9 Segment 4 Event of R&S Program 8. Range: same as in PE 1.  PE9 Segment 5 Event of R&S Program 8. Range: same as in PE 1.  PE9 Segment 5 Event of R&S Program 8. Range: same as in PE 1.	0154	PE I	Segment 1 Event of R&S Program 7.
Range: same as in PE 1.  10156 PE3 Segment 3 Event of R&S Program 7. Range: same as in PE 1.  10157 PE4 Segment 4 Event of R&S Program 7. Range: same as in PE 1.  10158 PE5 Segment 5 Event of R&S Program 7. Range: same as in PE 1.  10159 PE6 Segment 6 Event of R&S Program 7. Range: same as in PE 1.  10160 PE7 Segment 7 Event of R&S Program 7. Range: same as in PE 1.  10161 PE8 Segment 8 Event of R&S Program 7. Range: same as in PE 1.  10162 PE9 Segment 9 Event of R&S Program 7. Range: same as in PE 1.  10163 PE 1 Segment 1 Event of R&S Program 8. Range: same as in PE 1 of Program 1.  10164 PE2 Segment 2 Event of R&S Program 8. Range: same as in PE 1.  10165 PE3 Segment 3 Event of R&S Program 8. Range: same as in PE 1.  10166 PE4 Segment 4 Event of R&S Program 8. Range: same as in PE 1.  10166 PE4 Segment 4 Event of R&S Program 8. Range: same as in PE 1.  10167 PE5 Segment 5 Event of R&S Program 8. Range: same as in PE 1.			Range: same as in <b>PE 1</b> for Program 1.
Segment 3 Event of R&S Program 7. Range: same as in PE 1.  PEY Segment 4 Event of R&S Program 7. Range: same as in PE 1.  Segment 5 Event of R&S Program 7. Range: same as in PE 1.  Segment 6 Event of R&S Program 7. Range: same as in PE 1.  Segment 6 Event of R&S Program 7. Range: same as in PE 1.  Segment 7 Event of R&S Program 7. Range: same as in PE 1.  PEB Segment 8 Event of R&S Program 7. Range: same as in PE 1.  Segment 9 Event of R&S Program 7. Range: same as in PE 1.  PES Segment 1 Event of R&S Program 8. Range: same as in PE 1 of Program 1.  PES Segment 2 Event of R&S Program 8. Range: same as in PE 1.  PES Segment 3 Event of R&S Program 8. Range: same as in PE 1.  PES Segment 3 Event of R&S Program 8. Range: same as in PE 1.  PES Segment 4 Event of R&S Program 8. Range: same as in PE 1.  Segment 5 Event of R&S Program 8. Range: same as in PE 1.	0155	PE2	Segment 2 Event of R&S Program 7.
Range: same as in PE 1.  PEY Segment 4 Event of R&S Program 7. Range: same as in PE 1.  PES Segment 5 Event of R&S Program 7. Range: same as in PE 1.  PEB Segment 6 Event of R&S Program 7. Range: same as in PE 1.  PEB Segment 7 Event of R&S Program 7. Range: same as in PE 1.  PEB Segment 8 Event of R&S Program 7. Range: same as in PE 1.  PEB Segment 8 Event of R&S Program 7. Range: same as in PE 1.  PEB Segment 9 Event of R&S Program 7. Range: same as in PE 1.  PEB Segment 1 Event of R&S Program 8. Range: same as in PE 1 of Program 1.  PEB Segment 2 Event of R&S Program 8. Range: same as in PE 1.  PEB Segment 3 Event of R&S Program 8. Range: same as in PE 1.  PEB Segment 4 Event of R&S Program 8. Range: same as in PE 1.  PEB Segment 4 Event of R&S Program 8. Range: same as in PE 1.  PEB Segment 5 Event of R&S Program 8. Range: same as in PE 1.			Range: same as in <b>PE 1</b> .
O157  PEY Segment 4 Event of R&S Program 7. Range: same as in PE 1.  O158  PES Segment 5 Event of R&S Program 7. Range: same as in PE 1.  O159  PEB Segment 6 Event of R&S Program 7. Range: same as in PE 1.  O160  PET Segment 7 Event of R&S Program 7. Range: same as in PE 1.  O161  PEB Segment 8 Event of R&S Program 7. Range: same as in PE 1.  O162  PES Segment 9 Event of R&S Program 7. Range: same as in PE 1.  O163  PE 1 Segment 1 Event of R&S Program 8. Range: same as in PE 1 of Program 1.  O164  PES Segment 2 Event of R&S Program 8. Range: same as in PE 1.  O165  PES Segment 3 Event of R&S Program 8. Range: same as in PE 1.  O166  PEY Segment 4 Event of R&S Program 8. Range: same as in PE 1.	0156	PE3	Segment 3 Event of R&S Program 7.
Range: same as in PE 1.  10158 PE5 Segment 5 Event of R&S Program 7. Range: same as in PE 1.  10159 PE6 Segment 6 Event of R&S Program 7. Range: same as in PE 1.  10160 PE7 Segment 7 Event of R&S Program 7. Range: same as in PE 1.  10161 PE8 Segment 8 Event of R&S Program 7. Range: same as in PE 1.  10162 PE9 Segment 9 Event of R&S Program 7. Range: same as in PE 1.  10163 PE 1 Segment 1 Event of R&S Program 8. Range: same as in PE 1 of Program 1.  10164 PE2 Segment 2 Event of R&S Program 8. Range: same as in PE 1.  10165 PE3 Segment 3 Event of R&S Program 8. Range: same as in PE 1.  10166 PE4 Segment 4 Event of R&S Program 8. Range: same as in PE 1.  10166 PE4 Segment 5 Event of R&S Program 8. Range: same as in PE 1.			Range: same as in <b>PE 1</b> .
O158 PES Segment 5 Event of R&S Program 7. Range: same as in PE 1.  O159 PES Segment 6 Event of R&S Program 7. Range: same as in PE 1.  O160 PET Segment 7 Event of R&S Program 7. Range: same as in PE 1.  O161 PEB Segment 8 Event of R&S Program 7. Range: same as in PE 1.  O162 PES Segment 9 Event of R&S Program 7. Range: same as in PE 1.  O163 PE 1 Segment 1 Event of R&S Program 8. Range: same as in PE 1 of Program 1.  O164 PES Segment 2 Event of R&S Program 8. Range: same as in PE 1.  O165 PES Segment 3 Event of R&S Program 8. Range: same as in PE 1.  O166 PES Segment 4 Event of R&S Program 8. Range: same as in PE 1.  O167 PES Segment 5 Event of R&S Program 8. Range: same as in PE 1.	0157	PE4	Segment 4 Event of R&S Program 7.
Range: same as in PE 1.  O159 PE6 Segment 6 Event of R&S Program 7. Range: same as in PE 1.  O160 PE7 Segment 7 Event of R&S Program 7. Range: same as in PE 1.  O161 PE8 Segment 8 Event of R&S Program 7. Range: same as in PE 1.  O162 PE9 Segment 9 Event of R&S Program 7. Range: same as in PE 1.  O163 PE 1 Segment 1 Event of R&S Program 8. Range: same as in PE 1 of Program 1.  O164 PE2 Segment 2 Event of R&S Program 8. Range: same as in PE 1.  O165 PE3 Segment 3 Event of R&S Program 8. Range: same as in PE 1.  O166 PE4 Segment 4 Event of R&S Program 8. Range: same as in PE 1.  O167 PE5 Segment 5 Event of R&S Program 8.			Range: same as in <b>PE 1</b> .
O159 PE5 Segment 6 Event of R&S Program 7. Range: same as in PE 1.  O160 PE 7 Segment 7 Event of R&S Program 7. Range: same as in PE 1.  O161 PE8 Segment 8 Event of R&S Program 7. Range: same as in PE 1.  O162 PE9 Segment 9 Event of R&S Program 7. Range: same as in PE 1.  O163 PE 1 Segment 1 Event of R&S Program 8. Range: same as in PE 1 of Program 1.  O164 PE2 Segment 2 Event of R&S Program 8. Range: same as in PE 1.  O165 PE3 Segment 3 Event of R&S Program 8. Range: same as in PE 1.  O166 PE4 Segment 4 Event of R&S Program 8. Range: same as in PE 1.  O167 PE5 Segment 5 Event of R&S Program 8.	0158	PE5	Segment 5 Event of R&S Program 7.
Range: same as in PE 1.  O160 PE 1 Segment 7 Event of R&S Program 7. Range: same as in PE 1.  O161 PEB Segment 8 Event of R&S Program 7. Range: same as in PE 1.  O162 PE9 Segment 9 Event of R&S Program 7. Range: same as in PE 1.  O163 PE 1 Segment 1 Event of R&S Program 8. Range: same as in PE 1 of Program 1.  O164 PE2 Segment 2 Event of R&S Program 8. Range: same as in PE 1.  O165 PE3 Segment 3 Event of R&S Program 8. Range: same as in PE 1.  O166 PE4 Segment 4 Event of R&S Program 8. Range: same as in PE 1.  O167 PE5 Segment 5 Event of R&S Program 8.			Range: same as in <b>PE 1</b> .
O160 PE 1 Segment 7 Event of R&S Program 7. Range: same as in PE 1.  O161 PEB Segment 8 Event of R&S Program 7. Range: same as in PE 1.  O162 PE9 Segment 9 Event of R&S Program 7. Range: same as in PE 1.  O163 PE 1 Segment 1 Event of R&S Program 8. Range: same as in PE 1 of Program 1.  O164 PE2 Segment 2 Event of R&S Program 8. Range: same as in PE 1.  O165 PE3 Segment 3 Event of R&S Program 8. Range: same as in PE 1.  O166 PE4 Segment 4 Event of R&S Program 8. Range: same as in PE 1.  O167 PE5 Segment 5 Event of R&S Program 8.	0159	PE6	
Range: same as in PE 1.  O161 PEB Segment 8 Event of R&S Program 7. Range: same as in PE 1.  O162 PES Segment 9 Event of R&S Program 7. Range: same as in PE 1.  O163 PE 1 Segment 1 Event of R&S Program 8. Range: same as in PE 1 of Program 1.  O164 PES Segment 2 Event of R&S Program 8. Range: same as in PE 1.  O165 PES Segment 3 Event of R&S Program 8. Range: same as in PE 1.  O166 PEY Segment 4 Event of R&S Program 8. Range: same as in PE 1.  O167 PES Segment 5 Event of R&S Program 8.			
O161 PEB Segment 8 Event of R&S Program 7. Range: same as in PE 1.  O162 PE9 Segment 9 Event of R&S Program 7. Range: same as in PE 1.  O163 PE 1 Segment 1 Event of R&S Program 8. Range: same as in PE 1 of Program 1.  O164 PE2 Segment 2 Event of R&S Program 8. Range: same as in PE 1.  O165 PE3 Segment 3 Event of R&S Program 8. Range: same as in PE 1.  O166 PE4 Segment 4 Event of R&S Program 8. Range: same as in PE 1.  O167 PE5 Segment 5 Event of R&S Program 8.	0160	PE7	Segment 7 Event of R&S Program 7.
Range: same as in PE 1.  O162 PES Segment 9 Event of R&S Program 7. Range: same as in PE 1.  O163 PE 1 Segment 1 Event of R&S Program 8. Range: same as in PE 1 of Program 1.  O164 PES Segment 2 Event of R&S Program 8. Range: same as in PE 1.  O165 PES Segment 3 Event of R&S Program 8. Range: same as in PE 1.  O166 PEY Segment 4 Event of R&S Program 8. Range: same as in PE 1.  O167 PES Segment 5 Event of R&S Program 8.			Range: same as in <b>PE 1</b> .
O162 PE9 Segment 9 Event of R&S Program 7. Range: same as in PE 1.  O163 PE 1 Segment 1 Event of R&S Program 8. Range: same as in PE 1 of Program 1.  O164 PE2 Segment 2 Event of R&S Program 8. Range: same as in PE 1.  O165 PE3 Segment 3 Event of R&S Program 8. Range: same as in PE 1.  O166 PE4 Segment 4 Event of R&S Program 8. Range: same as in PE 1.  O167 PE5 Segment 5 Event of R&S Program 8.	0161	PE8	
Range: same as in PE 1.  O163 PE 1 Segment 1 Event of R&S Program 8. Range: same as in PE 1 of Program 1.  O164 PE2 Segment 2 Event of R&S Program 8. Range: same as in PE 1.  O165 PE3 Segment 3 Event of R&S Program 8. Range: same as in PE 1.  O166 PE4 Segment 4 Event of R&S Program 8. Range: same as in PE 1.  O167 PE5 Segment 5 Event of R&S Program 8.			Range: same as in <b>PE 1</b> .
O163  PE I Segment 1 Event of R&S Program 8. Range: same as in PE I of Program 1.  O164  PE2 Segment 2 Event of R&S Program 8. Range: same as in PE I.  O165  PE3 Segment 3 Event of R&S Program 8. Range: same as in PE I.  O166  PE4 Segment 4 Event of R&S Program 8. Range: same as in PE I.  O167  PE5 Segment 5 Event of R&S Program 8.	0162	PE9	
Range: same as in PE I of Program 1.  O164  PE2 Segment 2 Event of R&S Program 8. Range: same as in PE I.  O165  PE3 Segment 3 Event of R&S Program 8. Range: same as in PE I.  O166  PE4 Segment 4 Event of R&S Program 8. Range: same as in PE I.  O167  PE5 Segment 5 Event of R&S Program 8.			•
O164 PE2 Segment 2 Event of R&S Program 8. Range: same as in PE 1.  O165 PE3 Segment 3 Event of R&S Program 8. Range: same as in PE 1.  O166 PE4 Segment 4 Event of R&S Program 8. Range: same as in PE 1.  O167 PE5 Segment 5 Event of R&S Program 8.	0163	PE I	
Range: same as in PE 1.  O165 PE3 Segment 3 Event of R&S Program 8. Range: same as in PE 1.  O166 PE4 Segment 4 Event of R&S Program 8. Range: same as in PE 1.  O167 PE5 Segment 5 Event of R&S Program 8.			Range: same as in <b>PE 1</b> of Program 1.
O165  PE3 Segment 3 Event of R&S Program 8. Range: same as in PE 1.  O166  PE4 Segment 4 Event of R&S Program 8. Range: same as in PE 1.  O167  PE5 Segment 5 Event of R&S Program 8.	0164	PE2	Segment 2 Event of R&S Program 8.
Range: same as in PE 1.  O166 PEY Segment 4 Event of R&S Program 8. Range: same as in PE 1.  O167 PES Segment 5 Event of R&S Program 8.			Range: same as in <b>PE 1</b> .
O166 PEY Segment 4 Event of R&S Program 8. Range: same as in PE 1. O167 PES Segment 5 Event of R&S Program 8.	0165	PE3	Segment 3 Event of R&S Program 8.
Range: same as in <b>PE 1</b> .  0167 <b>PE5</b> Segment 5 Event of R&S Program 8.			Range: same as in <b>PE 1</b> .
0167 <b>PE5</b> Segment 5 Event of R&S Program 8.	0166	PE4	Segment 4 Event of R&S Program 8.
			Range: same as in <b>PE 1</b> .
Range: same as in <b>PE 1</b> .	0167	PE5	Segment 5 Event of R&S Program 8.
<u> </u>			Range: same as in <b>PE 1</b> .

0168	DEE	Compart & Frent of D&C Program &
0100	PE6	Segment 6 Event of R&S Program 8.
0400	053	Range: same as in <b>PE 1</b> .
0169	PE7	Segment 7 Event of R&S Program 8.
0.470	252	Range: same as in <b>PE 1</b> .
0170	PE8	Segment 8 Event of R&S Program 8.
0.1=1		Range: same as in <b>PE 1</b> .
0171	PE9	Segment 9 Event of R&S Program 8.
0470	25.4	Range: same as in <b>PE 1</b> .
0172	PE I	Segment 1 Event of R&S Program 9.
0470	053	Range: same as in <b>PE 1</b> of Program 1.
0173	PE2	Segment 2 Event of R&S Program 9.
0.1=1		Range: same as in <b>PE 1</b> .
0174	PE3	Segment 3 Event of R&S Program 9.
0.4==		Range: same as in <b>PE 1</b> .
0175	PE4	Segment 4 Event of R&S Program 9.
0470	855	Range: same as in <b>PE 1</b> .
0176	PE5	Segment 5 Event of R&S Program 9.
0477	255	Range: same as in <b>PE 1</b> .
0177	PE6	Segment 6 Event of R&S Program 9.
0470	053	Range: same as in <b>PE 1</b> .
0178	PE7	Segment 7 Event of R&S Program 9.
0470	050	Range: same as in <b>PE 1</b> .
0179	PE8	Segment 8 Event of R&S Program 9.
0180	050	Range: same as in <b>PE 1</b> .
0180	PE9	Segment 9 Event of R&S Program 9.  Range: same as in <b>PE 1</b> .
0181	PE I	Segment 1 Event of R&S Program 10.
0101	re i	Range: same as in <b>PE I</b> of Program 1.
0182	PE2	Segment 2 Event of R&S Program 10.
0102	FEE	Range: same as in <b>PE 1</b> .
0183	PE3	Segment 3 Event of R&S Program 10.
0100	163	Range: same as in <b>PE 1</b> .
0184	PE4	Segment 4 Event of R&S Program 10.
. JIOT	, , , ,	Range: same as in <b>PE 1</b> .
0185	PE5	Segment 5 Event of R&S Program 10.
0100	1.63	Range: same as in <b>PE 1</b> .
0186	PE6	Segment 6 Event of R&S Program 10.
0100	, 20	Range: same as in <b>PE I</b> .
0187	PE7	Segment 7 Event of R&S Program 10.
5107	,	Range: same as in <b>PE 1</b> .
0188	PEB	Segment 8 Event of R&S Program 10.
	, 20	Range: same as in <b>PE 1</b> .
0189	PE9	Segment 9 Event of R&S Program 10.
		Range: same as in <b>PE 1</b> .
0190	PE I	Segment 1 Event of R&S Program 11.
		Range: same as in <b>PE I</b> of Program 1.
0191	PE2	Segment 2 Event of R&S Program 11.
		Range: same as in <b>PE 1</b> .
0192	PE3	Segment 3 Event of R&S Program 11.
		Range: same as in <b>PE 1</b> .
		1

		1
0193	PE4	Segment 4 Event of R&S Program 11.
		Range: same as in <b>PE 1</b> .
0194	PE5	Segment 5 Event of R&S Program 11.
		Range: same as in <b>PE 1</b> .
0195	PE6	Segment 6 Event of R&S Program 11.
		Range: same as in <b>PE 1</b> .
0196	PE7	Segment 7 Event of R&S Program 11.
		Range: same as in <b>PE 1</b> .
0197	PE8	Segment 8 Event of R&S Program 11.
		Range: same as in <b>PE 1</b> .
0198	PE9	Segment 9 Event of R&S Program 11.
		Range: same as in <b>PE 1</b> .
0199	PE I	Segment 1 Event of R&S Program 12.
		Range: same as in <b>PE 1</b> of Program 1.
0200	PE2	Segment 2 Event of R&S Program 12.
		Range: same as in <b>PE 1</b> .
0201	PE3	Segment 3 Event of R&S Program 12.
		Range: same as in <b>PE 1</b> .
0202	PE4	Segment 4 Event of R&S Program 12.
		Range: same as in <b>PE 1</b> .
0203	PE5	Segment 5 Event of R&S Program 12.
		Range: same as in <b>PE 1</b> .
0204	PE6	Segment 6 Event of R&S Program 12.
		Range: same as in <b>PE 1</b> .
0205	PE7	Segment 7 Event of R&S Program 12.
		Range: same as in <b>PE 1</b> .
0206	PE8	Segment 8 Event of R&S Program 12.
		Range: same as in <b>PE 1</b> .
0207	PE9	Segment 9 Event of R&S Program 12.
		Range: same as in <b>PE 1</b> .
0208	PE I	Segment 1 Event of R&S Program 13.
		Range: same as in <b>PE 1</b> of Program 1.
0209	PE2	Segment 2 Event of R&S Program 13.
		Range: same as in <b>PE I</b> .
0210	PE3	Segment 3 Event of R&S Program 13.
		Range: same as in <b>PE I</b> .
0211	PE4	Segment 4 Event of R&S Program 13.
		Range: same as in <b>PE I</b> .
0212	PE5	Segment 5 Event of R&S Program 13.
		Range: same as in <b>PE 1</b> .
0213	PE6	Segment 6 Event of R&S Program 13.
		Range: same as in <b>PE I</b> .
0214	PE7	Segment 7 Event of R&S Program 13.
		Range: same as in <b>PE 1</b> .
0215	PE8	Segment 8 Event of R&S Program 13.
		Range: same as in <b>PE 1</b> .
0216	PE9	Segment 9 Event of R&S Program 13.
		Range: same as in <b>PE 1</b> .
0217	PE I	Segment 1 Event of R&S Program 14.
		Range: same as in <b>PE 1</b> of Program 1.

0218	PE2	Segment 2 Event of R&S Program 14.
		Range: same as in <b>PE 1</b> .
0219	PE3	Segment 3 Event of R&S Program 14.
		Range: same as in <b>PE 1</b> .
0220	PE4	Segment 4 Event of R&S Program 14.
		Range: same as in <b>PE 1</b> .
0221	PE5	Segment 5 Event of R&S Program 14.
		Range: same as in <b>PE 1</b> .
0222	PE6	Segment 6 Event of R&S Program 14.
		Range: same as in <b>PE 1</b> .
0223	PE7	Segment 7 Event of R&S Program 14.
		Range: same as in <b>PE I</b> .
0224	PE8	Segment 8 Event of R&S Program 14.
		Range: same as in <b>PE 1</b> .
0225	PE9	Segment 9 Event of R&S Program 14.
		Range: same as in <b>PE 1</b> .
0226	PE I	Segment 1 Event of R&S Program 15.
		Range: same as in <b>PE 1</b> of Program 1.
0227	PE2	Segment 2 Event of R&S Program 15.
		Range: same as in <b>PE 1</b> .
0228	PE3	Segment 3 Event of R&S Program 15.
		Range: same as in <b>PE 1</b> .
0229	PE4	Segment 4 Event of R&S Program 15.
		Range: same as in <b>PE 1</b> .
0230	PE5	Segment 5 Event of R&S Program 15.
		Range: same as in <b>PE 1</b> .
0231	PE6	Segment 6 Event of R&S Program 15.
		Range: same as in <b>PE 1</b> .
0232	PE7	Segment 7 Event of R&S Program 15.
		Range: same as in <b>PE 1</b> .
0233	PE8	Segment 8 Event of R&S Program 15.
0004	252	Range: same as in <b>PE 1</b> .
0234	PE9	Segment 9 Event of R&S Program 15.
0005	05 4	Range: same as in <b>PE I</b> .
0235	PE I	Segment 1 Event of R&S Program 16.
0236	pea	Range: same as in <b>PE 1</b> of Program 1.  Segment 2 Event of R&S Program 16.
0230	PE2	Range: same as in <b>PE 1</b> .
0237	PE3	Segment 3 Event of R&S Program 16.
0201	res	Range: same as in <b>PE 1</b> .
0238	PE4	Segment 4 Event of R&S Program 16.
0200	, , ,	Range: same as in <b>PE I</b> .
0239	PE5	Segment 5 Event of R&S Program 16.
	, []	Range: same as in <b>PE 1</b> .
0240	PE6	Segment 6 Event of R&S Program 16.
		Range: same as in <b>PE 1</b> .
0241	PE7	Segment 7 Event of R&S Program 16.
		Range: same as in <b>PE 1</b> .
0242	PEB	Segment 8 Event of R&S Program 16.
	_ <del>-</del>	Range: same as in <b>PE 1</b> .
	1	1

		T
0243	PE9	Segment 9 Event of R&S Program 16.
		Range: same as in <b>PE 1</b> .
0244	PE I	Segment 1 Event of R&S Program 17.
		Range: same as in <b>PE 1</b> of Program 1.
0245	PE2	Segment 2 Event of R&S Program 17.
		Range: same as in <b>PE 1</b> .
0246	PE3	Segment 3 Event of R&S Program 17.
		Range: same as in <b>PE 1</b> .
0247	PE4	Segment 4 Event of R&S Program 17.
		Range: same as in <b>PE 1</b> .
0248	PE5	Segment 5 Event of R&S Program 17.
		Range: same as in <b>PE 1</b> .
0249	PE6	Segment 6 Event of R&S Program 17.
		Range: same as in <b>PE 1</b> .
0250	PE7	Segment 7 Event of R&S Program 17.
		Range: same as in <b>PE 1</b> .
0251	PE8	Segment 8 Event of R&S Program 17.
		Range: same as in <b>PE 1</b> .
0252	PE9	Segment 9 Event of R&S Program 17.
		Range: same as in <b>PE 1</b> .
0253	PE I	Segment 1 Event of R&S Program 18.
		Range: same as in <b>PE 1</b> of Program 1.
0254	PE2	Segment 2 Event of R&S Program 18.
		Range: same as in <b>PE 1</b> .
0255	PE3	Segment 3 Event of R&S Program 18.
		Range: same as in <b>PE 1</b> .
0256	PE4	Segment 4 Event of R&S Program 18.
		Range: same as in <b>PE 1</b> .
0257	PE5	Segment 5 Event of R&S Program 18.
2052		Range: same as in <b>PE 1</b> .
0258	PE6	Segment 6 Event of R&S Program 18.
0050		Range: same as in <b>PE 1</b> .
0259	PE7	Segment 7 Event of R&S Program 18.
0000	050	Range: same as in <b>PE 1</b> .
0260	PE8	Segment 8 Event of R&S Program 18.
0004	655	Range: same as in <b>PE 1</b> .
0261	PE9	Segment 9 Event of R&S Program 18.
0000	DE 1	Range: same as in <b>PE 1</b> .
0262	PE I	Segment 1 Event of R&S Program 19.
0000	053	Range: same as in <b>PE 1</b> of Program 1.
0263	PE2	Segment 2 Event of R&S Program 19.
0064	פרי	Range: same as in <b>PE 1</b> .
0264	PE3	Segment 3 Event of R&S Program 19.
0065	0511	Range: same as in <b>PE 1</b> .
0265	PE4	Segment 4 Event of R&S Program 19.
0000	055	Range: same as in <b>PE 1</b> .
0266	PE5	Segment 5 Event of R&S Program 19.
0007	055	Range: same as in <b>PE 1</b> .
0267	PE6	Segment 6 Event of R&S Program 19.
		Range: same as in <b>PE 1</b> .

	1	1
0268	PE7	Segment 7 Event of R&S Program 19.
		Range: same as in <b>PE 1</b> .
0269	PEB	Segment 8 Event of R&S Program 19.
		Range: same as in <b>PE 1</b> .
0270	PE9	Segment 9 Event of R&S Program 19.
		Range: same as in <b>PE 1</b> .
0271	PE I	Segment 1 Event of R&S Program 20.
		Range: same as in <b>PE 1</b> of Program 1.
0272	PE2	Segment 2 Event of R&S Program 20.
		Range: same as in <b>PE 1</b> .
0273	PE3	Segment 3 Event of R&S Program 20.
		Range: same as in <b>PE 1</b> .
0274	PE4	Segment 4 Event of R&S Program 20.
		Range: same as in <b>PE 1</b> .
0275	PE5	Segment 5 Event of R&S Program 20.
		Range: same as in <b>PE 1</b> .
0276	PE6	Segment 6 Event of R&S Program 20.
0077	253	Range: same as in <b>PE 1</b> .
0277	PE7	Segment 7 Event of R&S Program 20.
		Range: same as in <b>PE 1</b> .
0278	PE8	Segment 8 Event of R&S Program 20.
	252	Range: same as in <b>PE 1</b> .
0279	PE9	Segment 9 Event of R&S Program 20.
0000	5	Range: same as in <b>PE 1</b> .
0280	PtoL	R&S Program 1 Tolerance
0004	5	Range: From 0 to ( <b>SPPL</b> - <b>SPLL</b> ).
0281	PtoL	R&S Program 2 Tolerance
0000	5	Range: From 0 to (SPPL - SPLL).
0282	PtoL	R&S Program 3 Tolerance
0000	<b>6</b> 1 1	Range: From 0 to (SPPL - SPLL).
0283	PtoL	R&S Program 4 Tolerance
0004	5	Range: From 0 to ( <b>5PPL</b> - <b>5PLL</b> ).
0284	PtoL	R&S Program 5 Tolerance
		Range: From 0 to (SPPL - SPLL).
0285	PtoL	R&S Program 6 Tolerance
0000	<b>.</b> .	Range: From 0 to (SPPL - SPLL).
0286	PtoL	R&S Program 7 Tolerance
000=		Range: From 0 to ( <b>SPPL</b> - <b>SPLL</b> ).
0287	PtoL	R&S Program 8 Tolerance
0000	<b>.</b> .	Range: From 0 to ( <b>SPPL</b> - <b>SPLL</b> ).
0288	PtoL	R&S Program 9 Tolerance
0000	<b>5</b>	Range: From 0 to ( <b>SPPL</b> - <b>SPLL</b> ).
0289	PtoL	R&S Program 10 Tolerance
0000	<b>5</b>	Range: From 0 to ( <b>SPPL</b> - <b>SPLL</b> ).
0290	PtoL	R&S Program 11 Tolerance
25.		Range: From 0 to ( <b>SPPL</b> - <b>SPLL</b> ).
0291	PtoL	R&S Program 12 Tolerance
		Range: From 0 to ( <b>5PPL</b> - <b>5PLL</b> ).
0292	PŁoL	R&S Program 13 Tolerance
		Range: From 0 to ( <b>5PPL - 5PLL</b> ).

0293	PŁoL	R&S Program 14 Tolerance
		Range: From 0 to ( <b>5PPL - 5PLL</b> ).
0294	PŁoL	R&S Program 15 Tolerance
		Range: From 0 to ( <b>5PPL - 5PLL</b> ).
0295	PŁoL	R&S Program 16 Tolerance
		Range: From 0 to (5PPL - 5PLL).
0296	PtoL	R&S Program 17 Tolerance
		Range: From 0 to ( <b>5PPL - 5PLL</b> ).
0297	PŁoL	R&S Program 18 Tolerance
		Range: From 0 to ( <b>5PPL - 5PLL</b> ).
0298	PtoL	R&S Program 19 Tolerance
		Range: From 0 to ( <b>SPPL - SPLL</b> ).
0299	PŁoL	R&S Program 20 Tolerance
		Range: From 0 to ( <b>5PPL - 5PLL</b> ).
0300	LP	R&S Program 1 Link.
		Range: 0 to 20.
0301	LP	R&S Program 2 Link.
-		Range: 0 to 20.
0302	LP	R&S Program 3 Link.
	_,	Range: 0 to 20.
0303	LP	R&S Program 4 Link.
	_,	Range: 0 to 20.
0304	LP	R&S Program 5 Link.
0001	L	Range: 0 to 20.
0305	LP	R&S Program 6 Link.
0000	L	Range: 0 to 20.
0306	LP	R&S Program 7 Link.
0300	L	Range: 0 to 20.
0307	LP	R&S Program 8 Link.
0307	LF	Range: 0 to 20.
0308	LP	R&S Program 9 Link.
0300	LF	Range: 0 to 20.
0309	LP	R&S Program 10 Link.
0303	LF	Range: 0 to 20.
0310	, 0	
0010	LP	R&S Program 11 Link. Range: 0 to 20.
0311	LP	R&S Program 12 Link.
0011	LF	Range: 0 to 20.
0312		
UUIZ	LP	R&S Program 13 Link. Range: 0 to 20.
0313		
0010	LP	R&S Program 14 Link. Range: 0 to 20.
0314	LP	R&S Program 15 Link.
0014	LP	Range: 0 to 20.
U31E		
0315	LP	R&S Program 16 Link.
0340		Range: 0 to 20.
0316	LP	R&S Program 17 Link.
0247		Range: 0 to 20.
0317	LP	R&S Program 18 Link.
		Range: 0 to 20.

0318	LP	R&S Program 19 Link.
		Range: 0 to 20.
0319	LP	R&S Program 20 Link.
		Range: 0 to 20.
0320	PE 1	Time 1 of Program 1. Range: 0 to 9999 minutes.
0321	PE2	Time 2 of Program 1. Range: 0 to 9999 minutes.
0322	PE3	Time 3 of Program 1. Range: 0 to 9999 minutes.
0323	PE4	Time 4 of Program 1. Range: 0 to 9999 minutes.
0324	PE5	Time 5 of Program 1. Range: 0 to 9999 minutes.
0325	PŁ6	Time 6 of Program 1. Range: 0 to 9999 minutes.
0326	PE7	Time 7 of Program 1. Range: 0 to 9999 minutes.
0327	PE8	Time 8 of Program 1. Range: 0 to 9999 minutes.
0328	PE9	Time 9 of Program 1. Range: 0 to 9999 minutes.
0329	PE I	Time 1 of Program 2. Range: 0 to 9999 minutes.
0330	PE2	Time 2 of Program 2. Range: 0 to 9999 minutes.
0331	PE3	Time 3 of Program 2. Range: 0 to 9999 minutes.
0332	PE4	Time 4 of Program 2. Range: 0 to 9999 minutes.
0333	PŁ5	Time 5 of Program 2. Range: 0 to 9999 minutes.
0334	PŁ6	Time 6 of Program 2. Range: 0 to 9999 minutes.
0335	PE7	Time 7 of Program 2. Range: 0 to 9999 minutes.
0336	PE8	Time 8 of Program 2. Range: 0 to 9999 minutes.
0337	PL9	Time 9 of Program 2. Range: 0 to 9999 minutes.
0338	PE I	Time 1 of Program 3. Range: 0 to 9999 minutes.
0339	PE2	Time 2 of Program 3. Range: 0 to 9999 minutes.
0340	PE3	Time 3 of Program 3. Range: 0 to 9999 minutes.
0341	PE4	Time 4 of Program 3. Range: 0 to 9999 minutes.
0342	PŁ5	Time 5 of Program 3. Range: 0 to 9999 minutes.
0343	PŁ6	Time 6 of Program 3. Range: 0 to 9999 minutes.
0344	PE7	Time 7 of Program 3. Range: 0 to 9999 minutes.
0345	PE8	Time 8 of Program 3. Range: 0 to 9999 minutes.
0346	PE9	Time 9 of Program 3. Range: 0 to 9999 minutes.
0347	PE I	Time 1 of Program 4. Range: 0 to 9999 minutes.
0348	PE2	Time 2 of Program 4. Range: 0 to 9999 minutes.
0349	PE3	Time 3 of Program 4. Range: 0 to 9999 minutes.
0350	PE4	Time 4 of Program 4. Range: 0 to 9999 minutes.
0351	PE5	Time 5 of Program 4. Range: 0 to 9999 minutes.
0352	PE6	Time 6 of Program 4. Range: 0 to 9999 minutes.
0353	PE7	Time 7 of Program 4. Range: 0 to 9999 minutes.
0354	PE8	Time 8 of Program 4. Range: 0 to 9999 minutes.
0355	PŁ9	Time 9 of Program 4. Range: 0 to 9999 minutes.
0356	PE 1	Time 1 of Program 5. Range: 0 to 9999 minutes.
0357	PE2	Time 2 of Program 5. Range: 0 to 9999 minutes.
0358	PE3	Time 3 of Program 5. Range: 0 to 9999 minutes.
0359	PE4	Time 4 of Program 5. Range: 0 to 9999 minutes.
0360	PE5	Time 5 of Program 5. Range: 0 to 9999 minutes.
0361	PŁ6	Time 6 of Program 5. Range: 0 to 9999 minutes.
0362	PE7	Time 7 of Program 5. Range: 0 to 9999 minutes.

		Т
0363	PŁ8	Time 8 of Program 5. Range: 0 to 9999 minutes.
0364	PE9	Time 9 of Program 5. Range: 0 to 9999 minutes.
0365	PE I	Time 1 of Program 6. Range: 0 to 9999 minutes.
0366	PF2	Time 2 of Program 6. Range: 0 to 9999 minutes.
0367	PŁ3	Time 3 of Program 6. Range: 0 to 9999 minutes.
0368	PE4	Time 4 of Program 6. Range: 0 to 9999 minutes.
0369	PŁ5	Time 5 of Program 6. Range: 0 to 9999 minutes.
0370	PŁ6	Time 6 of Program 6. Range: 0 to 9999 minutes.
0371	PŁ7	Time 7 of Program 6. Range: 0 to 9999 minutes.
0372	PŁ8	Time 8 of Program 6. Range: 0 to 9999 minutes.
0373	PŁ9	Time 9 of Program 6. Range: 0 to 9999 minutes.
0374	PŁ I	Time 1 of Program 7. Range: 0 to 9999 minutes.
0375	PŁ2	Time 2 of Program 7. Range: 0 to 9999 minutes.
0376	PŁ3	Time 3 of Program 7. Range: 0 to 9999 minutes.
0377	PŁ4	Time 4 of Program 7. Range: 0 to 9999 minutes.
0378	PŁ5	Time 5 of Program 7. Range: 0 to 9999 minutes.
0379	PE6	Time 6 of Program 7. Range: 0 to 9999 minutes.
0380	PET	Time 7 of Program 7. Range: 0 to 9999 minutes.
0381	PEB	Time 8 of Program 7. Range: 0 to 9999 minutes.
0382	PE9	Time 9 of Program 7. Range: 0 to 9999 minutes.
0383	PE I	Time 1 of Program 8. Range: 0 to 9999 minutes.
0384	PE2	Time 2 of Program 8. Range: 0 to 9999 minutes.
0385	PE3	Time 3 of Program 8. Range: 0 to 9999 minutes.
0386	PE4	Time 4 of Program 8. Range: 0 to 9999 minutes.
0387	PE5	Time 5 of Program 8. Range: 0 to 9999 minutes.
0388	PE5	Time 6 of Program 8. Range: 0 to 9999 minutes.
0389	PE7	Time 7 of Program 8. Range: 0 to 9999 minutes.
0390		Time 8 of Program 8. Range: 0 to 9999 minutes.
0390	PE8	Time 9 of Program 8. Range: 0 to 9999 minutes.
0391	PE9	, ,
0392	PE I	Time 1 of Program 9. Range: 0 to 9999 minutes.
	PE2	Time 2 of Program 9. Range: 0 to 9999 minutes.
0394	PE3	Time 3 of Program 9. Range: 0 to 9999 minutes.
0395	PE4	Time 4 of Program 9. Range: 0 to 9999 minutes.
0396	PE5	Time 5 of Program 9. Range: 0 to 9999 minutes.
0397	PE6	Time 6 of Program 9. Range: 0 to 9999 minutes.
0398	PET	Time 7 of Program 9. Range: 0 to 9999 minutes.
0399	PEB	Time 8 of Program 9. Range: 0 to 9999 minutes.
0400	PE9	Time 9 of Program 9. Range: 0 to 9999 minutes.
0401	PE I	Time 1 of Program 10. Range: 0 to 9999 minutes.
0402	PE2	Time 2 of Program 10. Range: 0 to 9999 minutes.
0403	PŁ3	Time 3 of Program 10. Range: 0 to 9999 minutes.
0404	PE4	Time 4 of Program 10. Range: 0 to 9999 minutes.
0405	PE5	Time 5 of Program 10. Range: 0 to 9999 minutes.
0406	P£6	Time 6 of Program 10. Range: 0 to 9999 minutes.
0407	PE7	Time 7 of Program 10. Range: 0 to 9999 minutes.
0408	PEB	Time 8 of Program 10. Range: 0 to 9999 minutes.
0409	PŁ9	Time 9 of Program 10. Range: 0 to 9999 minutes.

0410	PE I	Time 1 of Program 11. Range: 0 to 9999 minutes.
0411	PE2	Time 2 of Program 11. Range: 0 to 9999 minutes.
0412	PŁ3	Time 3 of Program 11. Range: 0 to 9999 minutes.
0413	PŁ4	Time 4 of Program 11. Range: 0 to 9999 minutes.
0414	PŁ5	Time 5 of Program 11. Range: 0 to 9999 minutes.
0415	PŁ6	Time 6 of Program 11. Range: 0 to 9999 minutes.
0416	PŁ7	Time 7 of Program 11. Range: 0 to 9999 minutes.
0417	PŁ8	Time 8 of Program 11. Range: 0 to 9999 minutes.
0418	PŁ9	Time 9 of Program 11. Range: 0 to 9999 minutes.
0419	PŁ I	Time 1 of Program 12. Range: 0 to 9999 minutes.
0420	PF2	Time 2 of Program 12. Range: 0 to 9999 minutes.
0421	PE3	Time 3 of Program 12. Range: 0 to 9999 minutes.
0422	PŁ4	Time 4 of Program 12. Range: 0 to 9999 minutes.
0423	PŁ5	Time 5 of Program 12. Range: 0 to 9999 minutes.
0424	PŁ6	Time 6 of Program 12. Range: 0 to 9999 minutes.
0425	PE7	Time 7 of Program 12. Range: 0 to 9999 minutes.
0426	PE8	Time 8 of Program 12. Range: 0 to 9999 minutes.
0427	PE9	Time 9 of Program 12. Range: 0 to 9999 minutes.
0428	PE I	Time 1 of Program 13. Range: 0 to 9999 minutes.
0429	PF2	Time 2 of Program 13. Range: 0 to 9999 minutes.
0430	PŁ3	Time 3 of Program 13. Range: 0 to 9999 minutes.
0431	PŁ4	Time 4 of Program 13. Range: 0 to 9999 minutes.
0432	PŁ5	Time 5 of Program 13. Range: 0 to 9999 minutes.
0433	PŁ5	Time 6 of Program 13. Range: 0 to 9999 minutes.
0434	PE7	Time 7 of Program 13. Range: 0 to 9999 minutes.
0435	PE8	Time 8 of Program 13. Range: 0 to 9999 minutes.
0436	PŁ9	Time 9 of Program 13. Range: 0 to 9999 minutes.
0437	PE I	Time 1 of Program 14. Range: 0 to 9999 minutes.
0438	PF5	Time 2 of Program 14. Range: 0 to 9999 minutes.
0439	PŁ3	Time 3 of Program 14. Range: 0 to 9999 minutes.
0440	PŁ4	Time 4 of Program 14. Range: 0 to 9999 minutes.
0441	PE5	Time 5 of Program 14. Range: 0 to 9999 minutes.
0442	PE6	Time 6 of Program 14. Range: 0 to 9999 minutes.
0443	PET	Time 7 of Program 14. Range: 0 to 9999 minutes.
0444	PEB	Time 8 of Program 14. Range: 0 to 9999 minutes.
0445	PE9	Time 9 of Program 14. Range: 0 to 9999 minutes.
0446	PE I	Time 1 of Program 15. Range: 0 to 9999 minutes.
0447	PE2	Time 2 of Program 15. Range: 0 to 9999 minutes.
0448	PE3	Time 3 of Program 15. Range: 0 to 9999 minutes.
0449 0450	PE4	Time 4 of Program 15. Range: 0 to 9999 minutes.
0450	PES DLC	Time 5 of Program 15. Range: 0 to 9999 minutes.
0451	PE6 PE7	Time 6 of Program 15. Range: 0 to 9999 minutes.  Time 7 of Program 15. Range: 0 to 9999 minutes.
0452		Time 8 of Program 15. Range: 0 to 9999 minutes.
0453	PE8 PE9	Time 9 of Program 15. Range: 0 to 9999 minutes.
0454	PE 1	Time 1 of Program 16. Range: 0 to 9999 minutes.
0455	PE 1	Time 2 of Program 16. Range: 0 to 9999 minutes.
3-100	, , , ,	2 or rogisin to rungo. o to 5555 militates.

0457	0. 7	Time 2 of Decerom 16. Decero 0 to 0000 minutes
0457	PE3	Time 3 of Program 16. Range: 0 to 9999 minutes.
0458	PE4	Time 4 of Program 16. Range: 0 to 9999 minutes.
0459	PL5	Time 5 of Program 16. Range: 0 to 9999 minutes.
0460	PŁ6	Time 6 of Program 16. Range: 0 to 9999 minutes.
0461	PE 7	Time 7 of Program 16. Range: 0 to 9999 minutes.
0462	PEB	Time 8 of Program 16. Range: 0 to 9999 minutes.
0463	PŁ9	Time 9 of Program 16. Range: 0 to 9999 minutes.
0464	PE I	Time 1 of Program 17. Range: 0 to 9999 minutes.
0465	PE2	Time 2 of Program 17. Range: 0 to 9999 minutes.
0466	PŁ3	Time 3 of Program 17. Range: 0 to 9999 minutes.
0467	PE4	Time 4 of Program 17. Range: 0 to 9999 minutes.
0468	PŁ5	Time 5 of Program 17. Range: 0 to 9999 minutes.
0469	PŁ6	Time 6 of Program 17. Range: 0 to 9999 minutes.
0470	₽Ł٦	Time 7 of Program 17. Range: 0 to 9999 minutes.
0471	PE8	Time 8 of Program 17. Range: 0 to 9999 minutes.
0472	PE9	Time 9 of Program 17. Range: 0 to 9999 minutes.
0473	PE I	Time 1 of Program 18. Range: 0 to 9999 minutes.
0474	PE2	Time 2 of Program 18. Range: 0 to 9999 minutes.
0475	PE3	Time 3 of Program 18. Range: 0 to 9999 minutes.
0476	PEH	Time 4 of Program 18. Range: 0 to 9999 minutes.
0477	PES	Time 5 of Program 18. Range: 0 to 9999 minutes.
0478	PE5	Time 6 of Program 18. Range: 0 to 9999 minutes.
0479	PE 7	Time 7 of Program 18. Range: 0 to 9999 minutes.
0480	PEB	Time 8 of Program 18. Range: 0 to 9999 minutes.
0481	PE9	Time 9 of Program 18. Range: 0 to 9999 minutes.
0482	PE I	Time 1 of Program 19. Range: 0 to 9999 minutes.
0483	PE 1	Time 2 of Program 19. Range: 0 to 9999 minutes.
0484		Time 3 of Program 19. Range: 0 to 9999 minutes.
	PE3	, ,
0485	PE4	Time 4 of Program 19. Range: 0 to 9999 minutes.
0486	PES -	Time 5 of Program 19. Range: 0 to 9999 minutes.
0487	PE6	Time 6 of Program 19. Range: 0 to 9999 minutes.
0488	PET	Time 7 of Program 19. Range: 0 to 9999 minutes.
0489	PEB	Time 8 of Program 19. Range: 0 to 9999 minutes.
0490	PE9	Time 9 of Program 19. Range: 0 to 9999 minutes.
0491	Pt I	Time 1 of Program 20. Range: 0 to 9999 minutes.
0492	PF5	Time 2 of Program 20. Range: 0 to 9999 minutes.
0493	PE3	Time 3 of Program 20. Range: 0 to 9999 minutes.
0494	PE4	Time 4 of Program 20. Range: 0 to 9999 minutes.
0495	PE5	Time 5 of Program 20. Range: 0 to 9999 minutes.
0496	PE6	Time 6 of Program 20. Range: 0 to 9999 minutes.
0497	PE7	Time 7 of Program 20. Range: 0 to 9999 minutes.
0498	PE8	Time 8 of Program 20. Range: 0 to 9999 minutes.
0499	PE9	Time 9 of Program 20. Range: 0 to 9999 minutes.
0500	PSP0	Setpoint 0 of Program 1.
		Range: From <b>5PLL</b> to <b>5PHL</b> .
0501	PSP 1	Setpoint 1 of Program 1 (R&S). Range: same as in <b>P5P0</b> .
	PSP2	Setpoint 2 of Program 1 (R&S). Range: same as in <b>P5P0</b> .

0503	PSP3	Setpoint 3 of Program 1 (R&S). Range: same as in <b>P5P0</b> .
0504	P5P4	Setpoint 4 of Program 1 (R&S). Range: same as in <b>P5P0</b> .
0505	PSP5	Setpoint 5 of Program 1 (R&S). Range: same as in <b>P5P0</b> .
0506	PSP6	Setpoint 6 of Program 1 (R&S). Range: same as in <b>P5P0</b> .
0507	P5P7	Setpoint 7 of Program 1 (R&S). Range: same as in <b>P5P0</b> .
0508	PSP8	Setpoint 8 of Program 1 (R&S). Range: same as in <b>P5P0</b> .
0509	PSP9	Setpoint 9 of Program 1 (R&S). Range: same as in <b>P5P0</b> .
0510	PSP0	Setpoint 0 of Program 2 Range: From <b>5PLL</b> to <b>5PHL</b> .
0511	P5P 1	Setpoint 1 of Program 2 (. &S). Range: same as in <b>P5P0.</b>
0512	PSP2	Setpoint 2 of Program (R&S). Range: same as in <b>P5P0</b> .
0513	PSP3	Setpoint 3 of Program 2 (R&S). Range: same as in <b>P5P0</b> .
0514	P5P4	Setpoint 4 of Program 2 (R&S). Range: same as in <b>P5P0</b> .
0515	PSP5	Setpoint 5 of Program 2 (R&S). Range: same as in <b>P5P0</b> .
0516	PSP6	Setpoint 6 of Program 2 (R&S). Range: same as in <b>P5P0</b> .
0517	PSP7	Setpoint 7 of Program 2 (R&S). Range: same as in <b>P5P0</b> .
0518	PSP8	Setpoint 8 of Program 2 (R&S). Range: same as in <b>P5P0</b> .
0519	PSP9	Setpoint 9 of Program 2 (R&S). Range: same as in <b>P5P0</b> .
0520	PSP0	Setpoint 0 of Program 3. Range: From <b>5PLL</b> to <b>5PHL</b> .
0521	PSP 1	Setpoint 1 of Program 3 (R&S). Range: same as in <b>P5P0</b> .
0522	PSP2	Setpoint 2 of Program 3 (R&S). Range: same as in <b>P5P0</b> .
0523	PSP3	Setpoint 3 of Program 3 (R&S). Range: same as in <b>P5P0</b> .
0524	PSP4	Setpoint 4 of Program 3 (R&S). Range: same as in <b>P5P0</b> .
0525	PSP5	Setpoint 5 of Program 3 (R&S). Range: same as in <b>P5P0</b> .
0526	PSP6	Setpoint 6 of Program 3 (R&S). Range: same as in <b>P5P0</b> .
0527	PSP7	Setpoint 7 of Program 3 (R&S). Range: same as in <b>P5P0</b> .
0528	PSP8	Setpoint 8 of Program 3 (R&S). Range: same as in <b>P5P0</b> .
0529	PSP9	Setpoint 9 of Program 3 (R&S). Range: same as in <b>P5P0</b> .
0530	PSP0	Setpoint 0 of Program 4. Range: From <b>5PLL</b> to <b>5PHL</b> .
0531	P5P 1	Setpoint 1 of Program 4 (&S). Range: same as in <b>P5P0</b> .
0532	PSP2	Setpoint 2 of Program 4 (R&S). Range: same as in <b>P5P0</b> .
0533	PSP3	Setpoint 3 of Program 4 (R&S). Range: same as in <b>P5P0</b> .
0534	PSP4	Setpoint 4 of Program 4 (R&S). Range: same as in <b>P5P0</b> .
0535	PSP5	Setpoint 5 of Program 4 (R&S). Range: same as in <b>P5P0</b> .
0536	PSP6	Setpoint 6 of Program 4 (R&S). Range: same as in <b>P5P0</b> .
0537	PSP7	Setpoint 7 of Program 4 (R&S). Range: same as in <b>P5P0</b> .
0538	PSP8	Setpoint 8 of Program 4 (R&S). Range: same as in <b>P5P0</b> .
0539	PSP9	Setpoint 9 of Program 4 (R&S). Range: same as in <b>P5P0</b> .
0540	PSP0	Setpoint 0 of Program 5. Range: From <b>SPLL</b> to <b>SPHL</b> .
0541	PSP I	Setpoint 1 of Program 5 (R&S). Range: same as in <b>P5P0</b> .
0542	PSP2	Setpoint 2 of Program 5 (R&S). Range: same as in <b>P5P0</b> .
0543	PSP3	Setpoint 3 of Program 5 (R&S). Range: same as in <b>P5P0</b> .
0544	P5P4	Setpoint 4 of Program 5 (R&S)
05.45	0505	Range: same as in <b>P5PD</b> .
0545	PSP5	Setpoint 5 of Program 5 (R&S)
0546	ocor	Range: same as in <b>P5PD</b> .  Setpoint 6 of Program 5 (P&S)
0546	PSP6	Setpoint 6 of Program 5 (R&S)  Range: same as in <b>P5PD</b> .
		range. Same as in F JF U.

0547	nena	Cotacint 7 of Program 5 (P.C.)
0547	PSP7	Setpoint 7 of Program 5 (R&S)
05.45	8555	Range: same as in <b>PSPO</b> .
0548	PSPB	Setpoint 8 of Program 5 (R&S)
		Range: same as in <b>P5P0</b> .
0549	PSP9	Setpoint 9 of Program 5 (R&S)
		Range: same as in <b>P5P0</b> .
0550	PSP0	Setpoint 0 of Program 6.
		Range: From <b>5PLL</b> to <b>5PHL</b> .
0551	PSP I	Setpoint 1 of Program 6 (R&S)
		Range: same as in <b>PSP0</b> .
0552	PSP2	Setpoint 2 of Program 6 (R&S)
		Range: same as in <b>PSPO</b> .
0553	PSP3	Setpoint 3 of Program 6 (R&S)
		Range: same as in <b>P5P0</b> .
0554	P5P4	Setpoint 4 of Program 6 (R&S)
		Range: same as in <b>P5P0</b> .
0555	PSP5	Setpoint 5 of Program 6 (R&S)
		Range: same as in <b>P5P0</b> .
0556	PSP6	Setpoint 6 of Program 6 (R&S)
		Range: same as in <b>P5P0</b> .
0557	PSP7	Setpoint 7 of Program 6 (R&S)
		Range: same as in <b>P5P0</b> .
0558	PSP8	Setpoint 8 of Program 6 (R&S)
		Range: same as in <b>P5P0</b> .
0559	PSP9	Setpoint 9 of Program 6 (R&S)
		Range: same as in <b>P5P0</b> .
0560	PSP0	Setpoint 0 of Program 7.
		Range: From <b>5PLL</b> to <b>5PHL</b> .
0561	PSP I	Setpoint 1 of Program 7 (R&S)
		Range: same as in <b>PSPO</b> .
0562	PSP2	Setpoint 2 of Program 7 (R&S)
0500	020-	Range: same as in <b>PSPO</b> .
0563	PSP3	Setpoint 3 of Program 7 (R&S)
0504	050	Range: same as in <b>PSPD</b> .
0564	P5P4	Setpoint 4 of Program 7 (R&S)
0505	0505	Range: same as in <b>P5PD</b> .
0565	PSPS	Setpoint 5 of Program 7 (R&S)
0500	0505	Range: same as in <b>P5P0</b> .
0566	PSP6	Setpoint 6 of Program 7 (R&S)
0507	0503	Range: same as in <b>P5P0</b> .
0567	PSP7	Setpoint 7 of Program 7 (R&S)
0500	0500	Range: same as in <b>P5P0</b> .
0568	PSPB	Setpoint 8 of Program 7 (R&S)
0500	0500	Range: same as in <b>P5P0</b> .
0569	PSP9	Setpoint 9 of Program 7 (R&S)
0570	0500	Range: same as in <b>P5P0</b> .
0570	PSP0	Setpoint 0 of Program 8.
		Range: From <b>SPLL</b> to <b>SPHL</b> .

0571	PSP I	Setpoint 1 of Program 8 (R&S)
		Range: same as in <b>P5P0</b> .
0572	PSP2	Setpoint 2 of Program 8 (R&S)
		Range: same as in <b>P5P0</b> .
0573	PSP3	Setpoint 3 of Program 8 (R&S)
		Range: same as in <b>P5P0</b> .
0574	P5P4	Setpoint 4 of Program 8 (R&S)
		Range: same as in <b>P5P0</b> .
0575	PSP5	Setpoint 5 of Program 8 (R&S)
		Range: same as in <b>P5P0</b> .
0576	PSP6	Setpoint 6 of Program 8 (R&S)
		Range: same as in <b>P5P0</b> .
0577	P5P7	Setpoint 7 of Program 8 (R&S)
		Range: same as in <b>P5P0</b> .
0578	PSPB	Setpoint 8 of Program 8 (R&S)
		Range: same as in <b>P5P0</b> .
0579	PSP9	Setpoint 9 of Program 8 (R&S)
		Range: same as in <b>P5P0</b> .
0580	PSP0	Setpoint 0 of Program 9.
		Range: From <b>SPLL</b> to <b>SPHL</b> .
0581	PSP I	Setpoint 1 of Program 9 (R&S)
		Range: same as in <b>P5P0</b> .
0582	PSP2	Setpoint 2 of Program 9 (R&S)
		Range: same as in <b>P5P0</b> .
0583	PSP3	Setpoint 3 of Program 9 (R&S)
		Range: same as in <b>P5P0</b> .
0584	P5P4	Setpoint 4 of Program 9 (R&S)
		Range: same as in <b>P5P0</b> .
0585	PSP5	Setpoint 5 of Program 9 (R&S)
		Range: same as in <b>P5P0</b> .
0586	PSP6	Setpoint 6 of Program 9 (R&S)
		Range: same as in <b>P5P0</b> .
0587	PSP7	Setpoint 7 of Program 9 (R&S)
		Range: same as in <b>P5P0</b> .
0588	PSP8	Setpoint 8 of Program 9 (R&S)
		Range: same as in <b>P5P0</b> .
0589	PSP9	Setpoint 9 of Program 9 (R&S)
	_	Range: same as in <b>P5P0</b> .
0590	PSP0	Setpoint 0 of Program 10.
		Range: From <b>5PLL</b> to <b>5PHL</b> .
0591	P5P 1	Setpoint 1 of Program 10 (R&S)
		Range: same as in <b>P5P0</b> .
0592	PSP2	Setpoint 2 of Program 10 (R&S)
		Range: same as in <b>P5P0</b> .
0593	PSP3	Setpoint 3 of Program 10 (R&S)
		Range: same as in <b>P5P0</b> .
0594	PSP4	Setpoint 4 of Program 10 (R&S)
		Range: same as in <b>P5P0</b> .

0595 <b>P5P5</b> Setpoint 5 of Program 10 (R&S)	
Range: same as in <b>P5P0</b> .	
0596 <b>P5P6</b> Setpoint 6 of Program 10 (R&S)	
Range: same as in <b>P5P0</b> .	
0597 <b>P5P1</b> Setpoint 7 of Program 10 (R&S)	
Range: same as in <b>P5P0</b> .	
0598 <b>PSPB</b> Setpoint 8 of Program 10 (R&S)	
Range: same as in <b>P5PD</b> .	
O599 <b>P5P9</b> Setpoint 9 of Program 10 (R&S)  Range: same as in <b>P5P0</b> .	
O600 PSPD Setpoint 0 of Program 11.  Range: From SPLL to SPHL.	
0601 <b>P5P I</b> Setpoint 1 of Program 11 (R&S)	
Range: same as in <b>P5P0</b> .  0602 <b>P5P2</b> Setpoint 2 of Program 11 (R&S)	
Range: same as in <b>P5P0</b> .	
Setpoint 3 of Program 11 (R&S)	
Range: same as in <b>PSP0</b> .	
0604 <b>P5P4</b> Setpoint 4 of Program 11 (R&S)	
Range: same as in <b>P5P0</b> .	
0605 <b>PSP5</b> Setpoint 5 of Program 11 (R&S)	
Range: same as in <b>P5P0</b> .	
0606 <b>P5P6</b> Setpoint 6 of Program 11 (R&S)	
Range: same as in <b>P5P0</b> .	
0607 <b>P5P7</b> Setpoint 7 of Program 11 (R&S)	
Range: same as in <b>P5PD</b> .	
0608 <b>P5PB</b> Setpoint 8 of Program 11 (R&S)	
Range: same as in <b>P5P0</b> .	
0609 <b>P5P9</b> Setpoint 9 of Program 11 (R&S)	
Range: same as in <b>P5P0</b> .	
0610 <b>P5P0</b> Setpoint 0 of Program 12.	
Range: From <b>5PLL</b> to <b>5PHL</b> .	
0611 <b>PSP !</b> Setpoint 1 of Program 12 (R&S)	
Range: same as in <b>P5P0</b> .	
0612 <b>P5P2</b> Setpoint 2 of Program 12 (R&S)	
Range: same as in <b>P5P0</b> .	
0613 <b>PSP3</b> Setpoint 3 of Program 12 (R&S)	
Range: same as in <b>P5P0</b> .	
0614 <b>P5P4</b> Setpoint 4 of Program 12 (R&S)	
Range: same as in <b>P5PD</b> .	
0615 <b>P5P5</b> Setpoint 5 of Program 12 (R&S)	
Range: same as in <b>PSPD</b> .	
0616 <b>PSP5</b> Setpoint 6 of Program 12 (R&S)	
Range: same as in <b>P5PD</b> .	
0617 <b>P5P7</b> Setpoint 7 of Program 12 (R&S)	
Range: same as in <b>P5P0</b> .	
0618 <b>P5P8</b> Setpoint 8 of Program 12 (R&S)	
Range: same as in <b>P5P0</b> .	

0619	PSP9	Setpoint 9 of Program 12 (R&S)
		Range: same as in <b>P5P0</b> .
0620	PSP0	Setpoint 0 of Program 13.
		Range: From <b>5PLL</b> to <b>5PHL</b> .
0621	PSP I	Setpoint 1 of Program 13 (R&S)
		Range: same as in <b>P5P0</b> .
0622	PSP2	Setpoint 2 of Program 13 (R&S)
		Range: same as in <b>P5P0</b> .
0623	PSP3	Setpoint 3 of Program 13 (R&S)
		Range: same as in <b>P5P0</b> .
0624	P5P4	Setpoint 4 of Program 13 (R&S)
		Range: same as in <b>P5P0</b> .
0625	PSP5	Setpoint 5 of Program 13 (R&S)
		Range: same as in <b>P5P0</b> .
0626	PSP6	Setpoint 6 of Program 13 (R&S)
		Range: same as in <b>P5P0</b> .
0627	PSP7	Setpoint 7 of Program 13 (R&S)
		Range: same as in <b>P5P0</b> .
0628	PSP8	Setpoint 8 of Program 13 (R&S)
		Range: same as in <b>P5P0</b> .
0629	PSP9	Setpoint 9 of Program 13 (R&S)
		Range: same as in <b>P5P0</b> .
0630	PSP0	Setpoint 0 of Program 14.
		Range: From <b>SPLL</b> to <b>SPHL</b> .
0631	PSP I	Setpoint 1 of Program 14 (R&S)
		Range: same as in <b>P5P0</b> .
0632	PSP2	Setpoint 2 of Program 14 (R&S)
		Range: same as in <b>P5P0</b> .
0633	PSP3	Setpoint 3 of Program 14 (R&S)
		Range: same as in <b>P5P0</b> .
0634	PSP4	Setpoint 4 of Program 14 (R&S)
		Range: same as in <b>P5P0</b> .
0635	PSPS	Setpoint 5 of Program 14 (R&S)
		Range: same as in <b>P5P0</b> .
0636	PSP6	Setpoint 6 of Program 14 (R&S)
	_	Range: same as in <b>P5P0</b> .
0637	PSP7	Setpoint 7 of Program 14 (R&S)
		Range: same as in <b>P5P0</b> .
0638	PSP8	Setpoint 8 of Program 14 (R&S)
0000		Range: same as in <b>PSPD</b> .
0639	PSP9	Setpoint 9 of Program 14 (R&S)
0615		Range: same as in <b>PSPD</b> .
0640	PSP0	Setpoint 0 of Program 15.
		Range: From <b>5PLL</b> to <b>5PHL</b> .
0641	P5P 1	Setpoint 1 of Program 15 (R&S)
		Range: same as in <b>P5P0</b> .
0642	PSP2	Setpoint 2 of Program 15 (R&S)
		Range: same as in <b>P5P0</b> .

Range: same as in P5PD.  0644	0643	PSP3	Setpoint 3 of Program 15 (R&S)
0644         P5P4         Setpoint 4 of Program 15 (R&S)	0040	<i>- 1 - 1</i>	
Range: same as in P5PD.  0646	0644	0500	
0645         P5P5         Setpoint 5 of Program 15 (R&S) Range: same as in P5P0.           0646         P5P6         Setpoint 6 of Program 15 (R&S) Range: same as in P5P0.           0647         P5P7         Setpoint 7 of Program 15 (R&S) Range: same as in P5P0.           0648         P5P8         Setpoint 8 of Program 15 (R&S) Range: same as in P5P0.           0649         P5P9         Setpoint 9 of Program 15 (R&S) Range: same as in P5P0.           0650         P5P0         Setpoint 0 of Program 16. Range: From SPLL to SPML.           0651         P5P1         Setpoint 1 of Program 16 (R&S) Range: same as in P5P0.           0652         P5P2         Setpoint 2 of Program 16 (R&S) Range: same as in P5P0.           0653         P5P3         Setpoint 3 of Program 16 (R&S) Range: same as in P5P0.           0654         P5P4         Setpoint 4 of Program 16 (R&S) Range: same as in P5P0.           0655         P5P5         Setpoint 5 of Program 16 (R&S) Range: same as in P5P0.           0656         P5P6         Setpoint 6 of Program 16 (R&S) Range: same as in P5P0.           0657         P5P7         Setpoint 8 of Program 16 (R&S) Range: same as in P5P0.           0658         P5P8         Setpoint 9 of Program 16 (R&S) Range: same as in P5P0.           0660         P5P9         Setpoint 0 of Program 17 (R&S) Range: same as in P5P0.           0	0044	rara	, ,
Range: same as in PSP0.	0645	0505	
0646         P5PB         Setpoint 6 of Program 15 (R&S) Range: same as in P5PB.           0647         P5P1         Setpoint 7 of Program 15 (R&S) Range: same as in P5PB.           0648         P5PB         Setpoint 8 of Program 15 (R&S) Range: same as in P5PB.           0649         P5PB         Setpoint 8 of Program 15 (R&S) Range: same as in P5PB.           0650         P5PB         Setpoint 0 of Program 16 (R&S) Range: same as in P5PB.           0651         P5P1         Setpoint 1 of Program 16 (R&S) Range: same as in P5PB.           0652         P5P2         Setpoint 2 of Program 16 (R&S) Range: same as in P5PB.           0653         P5P3         Setpoint 3 of Program 16 (R&S) Range: same as in P5PB.           0654         P5P4         Setpoint 4 of Program 16 (R&S) Range: same as in P5PB.           0655         P5P5         Setpoint 5 of Program 16 (R&S) Range: same as in P5PB.           0656         P5P6         Setpoint 6 of Program 16 (R&S) Range: same as in P5PB.           0657         P5P7         Setpoint 8 of Program 16 (R&S) Range: same as in P5PB.           0658         P5P8         Setpoint 8 of Program 16 (R&S) Range: same as in P5PB.           0659         P5P9         Setpoint 9 of Program 17 (R&S) Range: same as in P5PB.           0660         P5P9         Setpoint 0 of Program 17 (R&S) Range: same as in P5PB. <t< th=""><th>0043</th><th>rara</th><th>, ,</th></t<>	0043	rara	, ,
Range: same as in P5P0.	0646	DEDE	
0647         P5P1         Setpoint 7 of Program 15 (R&S) Range: same as in P5P0.           0648         P5P8         Setpoint 8 of Program 15 (R&S) Range: same as in P5P0.           0649         P5P9         Setpoint 9 of Program 15 (R&S) Range: same as in P5P0.           0650         P5P0         Setpoint 0 of Program 16.           0651         P5P1         Setpoint 2 of Program 16 (R&S) Range: same as in P5P0.           0652         P5P2         Setpoint 2 of Program 16 (R&S) Range: same as in P5P0.           0653         P5P3         Setpoint 3 of Program 16 (R&S) Range: same as in P5P0.           0654         P5P4         Setpoint 4 of Program 16 (R&S) Range: same as in P5P0.           0655         P5P5         Setpoint 5 of Program 16 (R&S) Range: same as in P5P0.           0656         P5P6         Setpoint 6 of Program 16 (R&S) Range: same as in P5P0.           0657         P5P7         Setpoint 7 of Program 16 (R&S) Range: same as in P5P0.           0658         P5P8         Setpoint 8 of Program 16 (R&S) Range: same as in P5P0.           0659         P5P9         Setpoint 9 of Program 16 (R&S) Range: same as in P5P0.           0660         P5P0         Setpoint 0 of Program 17 (R&S) Range: same as in P5P0.           0661         P5P1         Setpoint 0 of Program 17 (R&S) Range: same as in P5P0.           0662         P5P2<	0040	raro	
Range: same as in PSPU.	0647	0507	
0648         P5PB         Setpoint 8 of Program 15 (R&S) Range: same as in P5P0.           0649         P5P9         Setpoint 9 of Program 15 (R&S) Range: same as in P5P0.           0650         P5P0         Setpoint 0 of Program 16.           0651         P5P1         Setpoint 1 of Program 16 (R&S) Range: same as in P5P0.           0652         P5P2         Setpoint 2 of Program 16 (R&S) Range: same as in P5P0.           0653         P5P3         Setpoint 3 of Program 16 (R&S) Range: same as in P5P0.           0654         P5P4         Setpoint 4 of Program 16 (R&S) Range: same as in P5P0.           0655         P5P5         Setpoint 6 of Program 16 (R&S) Range: same as in P5P0.           0656         P5P6         Setpoint 7 of Program 16 (R&S) Range: same as in P5P0.           0657         P5P7         Setpoint 8 of Program 16 (R&S) Range: same as in P5P0.           0658         P5P8         Setpoint 8 of Program 16 (R&S) Range: same as in P5P0.           0660         P5P9         Setpoint 0 of Program 17 (R&S) Range: same as in P5P0.           0660         P5P1         Setpoint 1 of Program 17 (R&S) Range: same as in P5P0.           0661         P5P2         Setpoint 2 of Program 17 (R&S) Range: same as in P5P0.           0662         P5P3         Setpoint 2 of Program 17 (R&S) Range: same as in P5P0.           0663         P5P3<	0047	rar i	, , ,
Range: same as in PSPD.	0648	0500	
0649         P5P3         Setpoint 9 of Program 15 (R&S) Range: same as in P5P0.           0650         P5P0         Setpoint 0 of Program 16.           0651         P5P1         Setpoint 1 of Program 16 (R&S) Range: same as in P5P0.           0652         P5P2         Setpoint 2 of Program 16 (R&S) Range: same as in P5P0.           0653         P5P3         Setpoint 3 of Program 16 (R&S) Range: same as in P5P0.           0654         P5P4         Setpoint 4 of Program 16 (R&S) Range: same as in P5P0.           0655         P5P5         Setpoint 5 of Program 16 (R&S) Range: same as in P5P0.           0656         P5P6         Setpoint 6 of Program 16 (R&S) Range: same as in P5P0.           0657         P5P7         Setpoint 7 of Program 16 (R&S) Range: same as in P5P0.           0658         P5P8         Setpoint 8 of Program 16 (R&S) Range: same as in P5P0.           0659         P5P9         Setpoint 0 of Program 17 (R&S) Range: same as in P5P0.           0660         P5P0         Setpoint 1 of Program 17 (R&S) Range: same as in P5P0.           0661         P5P1         Setpoint 2 of Program 17 (R&S) Range: same as in P5P0.           0662         P5P3         Setpoint 3 of Program 17 (R&S) Range: same as in P5P0.           0663         P5P3         Setpoint 3 of Program 17 (R&S) Range: same as in P5P0.           0664         P5P4<	0040	raro	
Range: same as in PSPD.	0640	0500	
0650         PSPD         Setpoint 0 of Program 16.           Range: From SPLL to SPHL.         Range: Same as in PSPD.           0652         PSP2         Setpoint 1 of Program 16 (R&S)           Range: same as in PSPD.         Range: same as in PSPD.           0653         PSP3         Setpoint 3 of Program 16 (R&S)           Range: same as in PSPD.         Range: same as in PSPD.           0654         PSP4         Setpoint 4 of Program 16 (R&S)           Range: same as in PSPD.         Range: same as in PSPD.           0656         PSP5         Setpoint 6 of Program 16 (R&S)           Range: same as in PSPD.         Range: same as in PSPD.           0657         PSP7         Setpoint 7 of Program 16 (R&S)           Range: same as in PSPD.         Range: same as in PSPD.           0659         PSP8         Setpoint 8 of Program 16 (R&S)           Range: same as in PSPD.         Range: same as in PSPD.           0660         PSP0         Setpoint 10 of Program 17 (R&S)           Range: same as in PSPD.         Setpoint 1 of Program 17 (R&S)           Range: same as in PSPD.         Setpoint 2 of Program 17 (R&S)           Range: same as in PSPD.         Setpoint 3 of Program 17 (R&S)           Range: same as in PSPD.         Setpoint 5 of Program 17 (R&S) <t< th=""><th>0049</th><th>roro</th><th>, ,</th></t<>	0049	roro	, ,
Range: From SPLL to SPHL.	0650	0500	, and the second
0651         P5P I         Setpoint 1 of Program 16 (R&S)           0652         P5P2         Setpoint 2 of Program 16 (R&S)           0653         P5P3         Setpoint 3 of Program 16 (R&S)           0654         P5P4         Setpoint 3 of Program 16 (R&S)           0654         P5P4         Setpoint 4 of Program 16 (R&S)           0655         Range: same as in P5P0.           0656         P5P5         Setpoint 5 of Program 16 (R&S)           Range: same as in P5P0.         Setpoint 7 of Program 16 (R&S)           Range: same as in P5P0.         Setpoint 7 of Program 16 (R&S)           Range: same as in P5P0.         Setpoint 8 of Program 16 (R&S)           Range: same as in P5P0.         Setpoint 9 of Program 16 (R&S)           Range: same as in P5P0.         Setpoint 0 of Program 17 (R&S)           Range: From 5PLL to 5PHL.         Setpoint 1 of Program 17 (R&S)           Range: same as in P5P0.         Setpoint 2 of Program 17 (R&S)           Range: same as in P5P0.         Setpoint 3 of Program 17 (R&S)           Range: same as in P5P0.         Setpoint 4 of Program 17 (R&S)           Range: same as in P5P0.         Setpoint 5 of Program 17 (R&S)           Range: same as in P5P0.         Range: same as in P5P0.	0000	PSPü	
Range: same as in P5PD.  Setpoint 2 of Program 16 (R&S) Range: same as in P5PD.  Setpoint 3 of Program 16 (R&S) Range: same as in P5PD.  Setpoint 4 of Program 16 (R&S) Range: same as in P5PD.  Setpoint 4 of Program 16 (R&S) Range: same as in P5PD.  Setpoint 5 of Program 16 (R&S) Range: same as in P5PD.  Setpoint 6 of Program 16 (R&S) Range: same as in P5PD.  Setpoint 7 of Program 16 (R&S) Range: same as in P5PD.  Setpoint 8 of Program 16 (R&S) Range: same as in P5PD.  Setpoint 9 of Program 16 (R&S) Range: same as in P5PD.  Setpoint 9 of Program 16 (R&S) Range: same as in P5PD.  Setpoint 0 of Program 17 (R&S) Range: same as in P5PD.  Setpoint 1 of Program 17 (R&S) Range: same as in P5PD.  Setpoint 2 of Program 17 (R&S) Range: same as in P5PD.  Setpoint 3 of Program 17 (R&S) Range: same as in P5PD.  Setpoint 3 of Program 17 (R&S) Range: same as in P5PD.  Setpoint 4 of Program 17 (R&S) Range: same as in P5PD.  Setpoint 4 of Program 17 (R&S) Range: same as in P5PD.  Setpoint 5 of Program 17 (R&S) Range: same as in P5PD.	0654	050 4	
0652         P5P2         Setpoint 2 of Program 16 (R&S)           Range: same as in P5P0.         Setpoint 3 of Program 16 (R&S)           0653         P5P3         Setpoint 4 of Program 16 (R&S)           Range: same as in P5P0.         Setpoint 5 of Program 16 (R&S)           0655         P5P5         Setpoint 5 of Program 16 (R&S)           Range: same as in P5P0.         Setpoint 6 of Program 16 (R&S)           Range: same as in P5P0.         Setpoint 7 of Program 16 (R&S)           Range: same as in P5P0.         Setpoint 8 of Program 16 (R&S)           Range: same as in P5P0.         Setpoint 9 of Program 16 (R&S)           Range: same as in P5P0.         Setpoint 0 of Program 17 (R&S)           Range: From 5PLL to 5PHL.         Setpoint 1 of Program 17 (R&S)           Range: same as in P5P0.         Setpoint 2 of Program 17 (R&S)           Range: same as in P5P0.         Setpoint 3 of Program 17 (R&S)           Range: same as in P5P0.         Setpoint 4 of Program 17 (R&S)           Range: same as in P5P0.         Setpoint 5 of Program 17 (R&S)           Range: same as in P5P0.         Setpoint 5 of Program 17 (R&S)           Range: same as in P5P0.         Setpoint 5 of Program 17 (R&S)           Range: same as in P5P0.         Setpoint 5 of Program 17 (R&S)           Range: same as in P5P0.         Setpoint 5 of Program 17 (R	1001	ויסרו	
Range: same as in PSPD.	0050	0503	
0653         P5P3         Setpoint 3 of Program 16 (R&S)           Range: same as in P5PD.         Setpoint 4 of Program 16 (R&S)           0654         P5P4         Setpoint 4 of Program 16 (R&S)           Range: same as in P5PD.         Setpoint 5 of Program 16 (R&S)           Range: same as in P5PD.         Range: same as in P5PD.           0656         P5P5         Setpoint 6 of Program 16 (R&S)           Range: same as in P5PD.         Range: same as in P5PD.           0658         P5P8         Setpoint 8 of Program 16 (R&S)           Range: same as in P5PD.         Range: same as in P5PD.           0659         P5P9         Setpoint 9 of Program 16 (R&S)           Range: same as in P5PD.         Range: From 5PLL to 5PHL.           0660         P5P0         Setpoint 0 of Program 17 (R&S)           Range: From 5PLL to 5PHL.         Setpoint 1 of Program 17 (R&S)           Range: same as in P5PD.         Range: same as in P5PD.           0662         P5P2         Setpoint 2 of Program 17 (R&S)           Range: same as in P5PD.         Range: same as in P5PD.           0664         P5P4         Setpoint 4 of Program 17 (R&S)           Range: same as in P5PD.         Range: same as in P5PD.	0652	P5P2	
Range: same as in P5P0.	0050	8583	
0654         P5P4         Setpoint 4 of Program 16 (R&S)           Range: same as in P5P0.         Setpoint 5 of Program 16 (R&S)           0656         P5P5         Setpoint 6 of Program 16 (R&S)           Range: same as in P5P0.         Setpoint 7 of Program 16 (R&S)           Range: same as in P5P0.         Range: same as in P5P0.           0658         P5P8         Setpoint 8 of Program 16 (R&S)           Range: same as in P5P0.         Range: same as in P5P0.           0659         P5P9         Setpoint 9 of Program 16 (R&S)           Range: same as in P5P0.         Range: same as in P5P0.           0660         P5P0         Setpoint 0 of Program 17.           Range: From 5PLL to 5PHL.         Range: From 5PLL to 5PHL.           0661         P5P1         Setpoint 1 of Program 17 (R&S)           Range: same as in P5P0.         Range: same as in P5P0.           0662         P5P2         Setpoint 3 of Program 17 (R&S)           Range: same as in P5P0.         Range: same as in P5P0.           0664         P5P4         Setpoint 5 of Program 17 (R&S)           Range: same as in P5P0.         Range: same as in P5P0.	0653	P5P3	, ,
Range: same as in P5PD.  0655	2054	55514	
0655         PSPS         Setpoint 5 of Program 16 (R&S)           Range: same as in PSPD.           0656         PSPB         Setpoint 6 of Program 16 (R&S)           Range: same as in PSPD.           0657         PSPT         Setpoint 7 of Program 16 (R&S)           Range: same as in PSPD.           0658         PSPB         Setpoint 8 of Program 16 (R&S)           Range: same as in PSPD.           0659         PSPD         Setpoint 9 of Program 16 (R&S)           Range: same as in PSPD.           0660         PSPD         Setpoint 0 of Program 17.           Range: From SPLL to SPHL.           0661         PSP I         Setpoint 1 of Program 17 (R&S)           Range: same as in PSPD.           0662         PSP2         Setpoint 2 of Program 17 (R&S)           Range: same as in PSPD.           0663         PSP3         Setpoint 3 of Program 17 (R&S)           Range: same as in PSPD.           0664         PSP4         Setpoint 4 of Program 17 (R&S)           Range: same as in PSPD.           0665         PSP5         Setpoint 5 of Program 17 (R&S)           Range: same as in PSPD.	0654	PSP4	
Range: same as in P5PD.  0656			
0656         P5P6         Setpoint 6 of Program 16 (R&S)           Range: same as in P5P0.         Setpoint 7 of Program 16 (R&S)           0657         P5P1         Setpoint 8 of Program 16 (R&S)           0658         P5P8         Setpoint 8 of Program 16 (R&S)           Range: same as in P5P0.         Setpoint 9 of Program 16 (R&S)           Range: same as in P5P0.         Setpoint 0 of Program 17.           Range: From 5PLL to 5PHL.         Setpoint 1 of Program 17 (R&S)           Range: same as in P5P0.         Setpoint 2 of Program 17 (R&S)           Range: same as in P5P0.         Setpoint 3 of Program 17 (R&S)           Range: same as in P5P0.         Setpoint 4 of Program 17 (R&S)           Range: same as in P5P0.         Setpoint 5 of Program 17 (R&S)           Range: same as in P5P0.         Setpoint 5 of Program 17 (R&S)           Range: same as in P5P0.         Setpoint 5 of Program 17 (R&S)           Range: same as in P5P0.         Setpoint 5 of Program 17 (R&S)           Range: same as in P5P0.         Setpoint 5 of Program 17 (R&S)	0655	PSPS	, ,
Range: same as in PSPD.  Setpoint 7 of Program 16 (R&S) Range: same as in PSPD.  O658 PSPB Setpoint 8 of Program 16 (R&S) Range: same as in PSPD.  O659 PSP9 Setpoint 9 of Program 16 (R&S) Range: same as in PSPD.  O660 PSPD Setpoint 0 of Program 17. Range: From SPLL to SPHL.  O661 PSP1 Setpoint 1 of Program 17 (R&S) Range: same as in PSPD.  O662 PSP2 Setpoint 2 of Program 17 (R&S) Range: same as in PSPD.  O663 PSP3 Setpoint 3 of Program 17 (R&S) Range: same as in PSPD.  O664 PSP4 Setpoint 4 of Program 17 (R&S) Range: same as in PSPD.  O665 PSP5 Setpoint 5 of Program 17 (R&S) Range: same as in PSPD.			
0657         P5P1         Setpoint 7 of Program 16 (R&S)           Range: same as in P5P0.           0658         P5P8         Setpoint 8 of Program 16 (R&S)           Range: same as in P5P0.           0659         P5P9         Setpoint 9 of Program 16 (R&S)           Range: same as in P5P0.           0660         P5P0         Setpoint 0 of Program 17.           Range: From 5PLL to 5PHL.           0661         P5P1         Setpoint 1 of Program 17 (R&S)           Range: same as in P5P0.           0662         P5P2         Setpoint 2 of Program 17 (R&S)           Range: same as in P5P0.           0663         P5P3         Setpoint 3 of Program 17 (R&S)           Range: same as in P5P0.           0664         P5P4         Setpoint 4 of Program 17 (R&S)           Range: same as in P5P0.           0665         P5P5         Setpoint 5 of Program 17 (R&S)           Range: same as in P5P0.	0656	P5P6	, ,
Range: same as in PSPD.  O658 PSPB Setpoint 8 of Program 16 (R&S) Range: same as in PSPD.  O659 PSP9 Setpoint 9 of Program 16 (R&S) Range: same as in PSPD.  O660 PSPD Setpoint 0 of Program 17. Range: From SPLL to SPHL.  O661 PSP1 Setpoint 1 of Program 17 (R&S) Range: same as in PSPD.  O662 PSP2 Setpoint 2 of Program 17 (R&S) Range: same as in PSPD.  O663 PSP3 Setpoint 3 of Program 17 (R&S) Range: same as in PSPD.  O664 PSP4 Setpoint 4 of Program 17 (R&S) Range: same as in PSPD.  O665 PSP5 Setpoint 5 of Program 17 (R&S) Range: same as in PSPD.			
Setpoint 8 of Program 16 (R&S) Range: same as in PSPD.  O659 PSP9 Setpoint 9 of Program 16 (R&S) Range: same as in PSPD.  O660 PSPD Setpoint 0 of Program 17. Range: From SPLL to SPHL.  O661 PSP1 Setpoint 1 of Program 17 (R&S) Range: same as in PSPD.  O662 PSP2 Setpoint 2 of Program 17 (R&S) Range: same as in PSPD.  O663 PSP3 Setpoint 3 of Program 17 (R&S) Range: same as in PSPD.  O664 PSP4 Setpoint 4 of Program 17 (R&S) Range: same as in PSPD.  O665 PSP5 Setpoint 5 of Program 17 (R&S) Range: same as in PSPD.	0657	P5P 1	
Range: same as in P5PD.  O659 P5P9 Setpoint 9 of Program 16 (R&S) Range: same as in P5PD.  O660 P5PD Setpoint 0 of Program 17. Range: From 5PLL to 5PHL.  O661 P5P1 Setpoint 1 of Program 17 (R&S) Range: same as in P5PD.  O662 P5P2 Setpoint 2 of Program 17 (R&S) Range: same as in P5PD.  O663 P5P3 Setpoint 3 of Program 17 (R&S) Range: same as in P5PD.  O664 P5P4 Setpoint 4 of Program 17 (R&S) Range: same as in P5PD.  O665 P5P5 Setpoint 5 of Program 17 (R&S) Range: same as in P5PD.			
0659       PSP9       Setpoint 9 of Program 16 (R&S)         Range: same as in PSP0.       Setpoint 0 of Program 17.         0660       PSP0       Setpoint 0 of Program 17.         Range: From SPLL to SPHL.       Setpoint 1 of Program 17 (R&S)         Range: same as in PSP0.       Range: same as in PSP0.         0662       PSP2       Setpoint 2 of Program 17 (R&S)         Range: same as in PSP0.       Range: same as in PSP0.         0664       PSP4       Setpoint 4 of Program 17 (R&S)         Range: same as in PSP0.       Range: same as in PSP0.         0665       PSP5       Setpoint 5 of Program 17 (R&S)         Range: same as in PSP0.       Range: same as in PSP0.	0658	PSP8	, , ,
Range: same as in P5P0.  O660 P5P0 Setpoint 0 of Program 17. Range: From 5PLL to 5PHL.  O661 P5P1 Setpoint 1 of Program 17 (R&S) Range: same as in P5P0.  O662 P5P2 Setpoint 2 of Program 17 (R&S) Range: same as in P5P0.  O663 P5P3 Setpoint 3 of Program 17 (R&S) Range: same as in P5P0.  O664 P5P4 Setpoint 4 of Program 17 (R&S) Range: same as in P5P0.  O665 P5P5 Setpoint 5 of Program 17 (R&S) Range: same as in P5P0.	0.0=0		
0660         PSPD         Setpoint 0 of Program 17.           Range: From SPLL to SPHL.           0661         PSP I         Setpoint 1 of Program 17 (R&S)           Range: same as in PSPD.           0662         PSP2         Setpoint 2 of Program 17 (R&S)           Range: same as in PSPD.           0663         PSP3         Setpoint 3 of Program 17 (R&S)           Range: same as in PSPD.           0664         PSP4         Setpoint 4 of Program 17 (R&S)           Range: same as in PSPD.           0665         PSP5         Setpoint 5 of Program 17 (R&S)           Range: same as in PSPD.	0659	PSP9	, ,
Range: From SPLL to SPHL.  O661 PSP I Setpoint 1 of Program 17 (R&S) Range: same as in PSPD.  O662 PSP2 Setpoint 2 of Program 17 (R&S) Range: same as in PSPD.  O663 PSP3 Setpoint 3 of Program 17 (R&S) Range: same as in PSPD.  O664 PSP4 Setpoint 4 of Program 17 (R&S) Range: same as in PSPD.  O665 PSP5 Setpoint 5 of Program 17 (R&S) Range: same as in PSPD.			
0661         PSP I         Setpoint 1 of Program 17 (R&S)           Range: same as in PSPD.           0662         PSP2         Setpoint 2 of Program 17 (R&S)           Range: same as in PSPD.           0663         PSP3         Setpoint 3 of Program 17 (R&S)           Range: same as in PSPD.           0664         PSP4         Setpoint 4 of Program 17 (R&S)           Range: same as in PSPD.           0665         PSP5         Setpoint 5 of Program 17 (R&S)           Range: same as in PSPD.	0660	P5P0	
Range: same as in PSPD.  O662 PSP2 Setpoint 2 of Program 17 (R&S) Range: same as in PSPD.  O663 PSP3 Setpoint 3 of Program 17 (R&S) Range: same as in PSPD.  O664 PSP4 Setpoint 4 of Program 17 (R&S) Range: same as in PSPD.  O665 PSP5 Setpoint 5 of Program 17 (R&S) Range: same as in PSPD.			
0662         P\$P2         Setpoint 2 of Program 17 (R&S)           Range: same as in P\$P0.           0663         P\$P3         Setpoint 3 of Program 17 (R&S)           Range: same as in P\$P0.           0664         P\$P4         Setpoint 4 of Program 17 (R&S)           Range: same as in P\$P0.           0665         P\$P5         Setpoint 5 of Program 17 (R&S)           Range: same as in P\$P0.	0661	P5P 1	, ,
Range: same as in P5PD.  O663 P5P3 Setpoint 3 of Program 17 (R&S) Range: same as in P5PD.  O664 P5P4 Setpoint 4 of Program 17 (R&S) Range: same as in P5PD.  O665 P5P5 Setpoint 5 of Program 17 (R&S) Range: same as in P5PD.	0000		-
0663         PSP3         Setpoint 3 of Program 17 (R&S)           Range: same as in PSP0.           0664         PSP4         Setpoint 4 of Program 17 (R&S)           Range: same as in PSP0.           0665         PSP5         Setpoint 5 of Program 17 (R&S)           Range: same as in PSP0.	0662	PSP2	, ,
Range: same as in <b>P5PD</b> .  O664 <b>P5P4</b> Setpoint 4 of Program 17 (R&S) Range: same as in <b>P5PD</b> .  O665 <b>P5P5</b> Setpoint 5 of Program 17 (R&S) Range: same as in <b>P5PD</b> .	0655		
0664         P5P4         Setpoint 4 of Program 17 (R&S)           Range: same as in P5P0.           0665         P5P5         Setpoint 5 of Program 17 (R&S)           Range: same as in P5P0.	0663	PSP3	, , ,
Range: same as in <b>P5P0</b> .  O665 <b>P5P5</b> Setpoint 5 of Program 17 (R&S) Range: same as in <b>P5P0</b> .	000:		
0665 <b>P5P5</b> Setpoint 5 of Program 17 (R&S) Range: same as in <b>P5P0</b> .	0664	P5P4	, ,
Range: same as in <b>P5P0</b> .			
	0665	PSP5	, ,
0666 <b>P5P5</b> Setpoint 6 of Program 17 (R&S)	0666	PSP6	
Range: same as in <b>P5P0</b> .			Range: same as in <b>P5P0</b> .

0667	PSP7	Setpoint 7 of Program 17 (R&S)
		Range: same as in <b>P5P0</b> .
0668	PSPB	Setpoint 8 of Program 17 (R&S)
		Range: same as in <b>P5P0</b> .
0669	PSP9	Setpoint 9 of Program 17 (R&S)
		Range: same as in <b>P5P0</b> .
0670	PSP0	Setpoint 0 of Program 18.
		Range: From <b>5PLL</b> to <b>5PHL</b> .
0671	P5P 1	Setpoint 1 of Program 18 (R&S)
		Range: same as in <b>P5P0</b> .
0672	PSP2	Setpoint 2 of Program 18 (R&S)
		Range: same as in <b>P5P0</b> .
0673	PSP3	Setpoint 3 of Program 18 (R&S)
		Range: same as in <b>P5P0</b> .
0674	P5P4	Setpoint 4 of Program 18 (R&S)
		Range: same as in <b>P5P0</b> .
0675	PSP5	Setpoint 5 of Program 18 (R&S)
		Range: same as in <b>P5P0</b> .
0676	PSP6	Setpoint 6 of Program 18 (R&S)
		Range: same as in <b>P5P0</b> .
0677	PSP7	Setpoint 7 of Program 18 (R&S)
		Range: same as in <b>P5P0</b> .
0678	PSP8	Setpoint 8 of Program 18 (R&S)
		Range: same as in <b>P5P0</b> .
0679	PSP9	Setpoint 9 of Program 18 (R&S)
		Range: same as in <b>P5P0</b> .
0680	PSP0	Setpoint 0 of Program 19.
2004		Range: From <b>SPLL</b> to <b>SPHL</b> .
0681	P5P 1	Setpoint 1 of Program 19 (R&S)
0000	0503	Range: same as in <b>P5PD</b> .
0682	PSP2	Setpoint 2 of Program 19 (R&S)
0600	חבחי	Range: same as in <b>P5P0</b> .
0683	PSP3	Setpoint 3 of Program 19 (R&S)
0684	PSP4	Range: same as in <b>P5P0</b> .  Setpoint 4 of Program 19 (R&S)
0004	r 3F 7	Range: same as in <b>P5PD</b> .
0685	PSPS	Setpoint 5 of Program 19 (R&S)
3300		Range: same as in <b>P5PD</b> .
0686	PSP6	Setpoint 6 of Program 19 (R&S)
	, ,, ,	Range: same as in <b>P5PD</b> .
0687	PSP7	Setpoint 7 of Program 19 (R&S)
	· •••	Range: same as in <b>P5PD</b> .
0688	PSP8	Setpoint 8 of Program 19 (R&S)
		Range: same as in <b>P5PD</b> .
0689	PSP9	Setpoint 9 of Program 19 (R&S)
	·	Range: same as in <b>P5P0</b> .
0690	PSP0	Setpoint 0 of Program 1.
	·	Range: From <b>5PLL</b> to <b>5PHL</b> .
		-

0691	PSP I	Setpoint 1 of Program 1 (R&S)
		Range: same as in <b>P5P0</b> .
0692	PSP2	Setpoint 2 of Program 1 (R&S)
		Range: same as in <b>P5P0</b> .
0693	PSP3	Setpoint 3 of Program 1 (R&S)
		Range: same as in <b>P5P0</b> .
0694	P5P4	Setpoint 4 of Program 1 (R&S)
		Range: same as in <b>P5P0</b> .
0695	PSP5	Setpoint 5 of Program 1 (R&S)
		Range: same as in <b>P5P0</b> .
0696	PSP5	Setpoint 6 of Program 1 (R&S)
		Range: same as in <b>P5P0</b> .
0697	P5P7	Setpoint 7 of Program 1 (R&S)
		Range: same as in <b>P5P0</b> .
0698	PSP8	Setpoint 8 of Program 1 (R&S)
		Range: same as in <b>P5P0</b> .
0699	PSP9	Setpoint 9 of Program 1 (R&S)
		Range: same as in <b>P5P0</b> .
0700	Reserved	Internal use

# 1.4 STATUS WORDS

Register	Value format
Status Word 1	bit 0 – Alarm 1 (0-inactive; 1-active)
	bit 1 – Alarm 2 (0-inactive; 1-active)
	bit 2 – Alarm 3 (0-inactive; 1-active)
	bit 3 – Alarm 4 (0-inactive; 1-active)
	bit 4 – Input 0 – I/O 5 (0- inactive; 1- active)
	bit 5 – Input 1 – I/O 3 (0- inactive; 1- active)
	bit 6 – Input 2 – I/O 4 (0- inactive; 1- active)
	bit 7 – Reserved
	bit 8 – Hardware detection value
	bit 9 – Hardware detection value
	bit 10 – Reserved
	bit 11 – Reserved
	bit 12 – Reserved
	bit 13 – Reserved
	bit 14 – Reserved
	bit 15 – Reserved

Status Word 2	bit 0 – Automatic (0- manual; 1- automatic)
	bit 1 – Run (0-stop; 1-run)
	bit 2 – Control Action (0-direct; 1-reverse)
	bit 3 – Reserved
	bit 4 – Auto-tune (0-no; 1-yes)
	bit 5 – Alarm 1 power-up inhibit (0-no; 1-yes)
	bit 6 – Alarm 2 power-up inhibit (0-no; 1-yes)
	bit 7 – Alarm 3 power-up inhibit (0-no; 1-yes)
	bit 8 – Alarm 4 power-up inhibit (0-no; 1-yes)
	bit 9 – Unit (0-°C; 1-°F)
	bit 10 – Reserved
	bit 11 – Output 1 status
	bit 12 – Output 2 status
	bit 13 – Output 3 status
	bit 14 – Output 4 status
	bit 15 – Output 5 status
Status Word 3	bit 0 – Very low PV conversion (0-no; 1-yes)
	bit 1 – Negative conversion after calibration (0-no; 1-yes)
	bit 2 – Very high PV conversion (0-no; 1-yes)
	bit 3 – Exceeded linearization limit (0-no; 1-yes)
	bit 4 – Very high Pt100 cable resistance (0-no; 1-yes)
	bit 5 – Self zero conversion out of range (0-no; 1-yes)
	bit 6 – Self span conversion out of range (0-no; 1-yes)
	bit 7 – Reserved
	bit 8 – Reserved
	bit 9 – Reserved
	bit 10 – Reserved
	bit 11 – Reserved
	bit 12 – Reserved
	bit 13 – Reserved
	bit 14 – Reserved
	bit 15 – Reserved

Table 2: Values of Status Words

Writing to an output bit is only possible if the output has no function assigned to it (the output is configured to **OFF** in Alarm Cycle).

Coil Status	Output description
0	Output 1 Status (I/O1)
1	Output 2 Status (I/O2)
2	Output 3 Status (I/O3)
3	Output 4 Status (I/O4)
4	Output 5 Status (I/O5)

# 1.5 EXCEPTION RESPONSES – ERROR CONDITIONS

The MODBUS RTU protocol checks the CRC in the data blocks received. Reception errors are detected by the CRC, causing the controller to discard the packet, not sending any reply to the master.

After receiving an error-free packet, the controller processes the packet and verifies whether the request is valid or not, sending back an exception error code in case of an invalid request. Response frames containing error codes have the most significant bit of the Modbus command set.

If a WRITE command sends an out-of-range value to a parameter, the controller will clamp the value to the parameter range limits, replying with a value that reflects these limits (maximum or minimum value allowed for the parameter).

The controller ignores broadcast READ commands; the controller processes only broadcast WRITE commands.

Error Code	Error Description
01	Invalid Command
02	Invalid Register Number or out of range
03	Invalid Register Quantity or out of range

Table 3 – Exception response error codes