	Label Playlist	Action	Parameters	Comment
1				*KOA*
2				*Interface manager*
3				*Status distributie*
4				*Martijn van de Runstraat*
5				*23 april 2003*
6				
7	**S0**	SEARCH DEFINE	Databasename:KOA_NODE Key:ID Key min: Key max: (KOA_NODE.statusSt <> sys.KOA.1) and (KOA_node.active = 'Y')	*te synchroniseren nodes*
8				
9	**S1**	SEARCH DEFINE	Databasename:KOA_NODE Key:statusSt Key min:sys.KOA.1 Key max:sys.KOA.1 (KOA_NODE.STATUS <> sys.KOA.1) and (KOA_NODE.stamp < (%wintickcount - 1500)) and (KOA_node.active = 'Y') and (KOA_node.waitstat = 'N')	*lang onvoltooide synchronisaties*
10	**S2**	SEARCH DEFINE	Databasename:KOA_NODE Key:statusSt Key min:sys.KOA.1 Key max:sys.KOA.1 (KOA_NODE.STATUS <> sys.KOA.1) and (KOA_node.active = 'Y')	*onvoltooide synchronisaties*
11	**S3**	SEARCH DEFINE	Databasename:KOA_NODE Key:waitstat Key min:'Y' Key max:'Y' (KOA_NODE.stamp < (%wintickcount - 3500)) and (KOA_node.active = 'Y')	*onvoltooide statistieken*
12				
13		BRANCH	Branch to:[koa202]init	
14	**START**	EXTERNAL PARAM.	'TSM';	
15		EXTERNAL PROC.	Process number:3 Function number:100 On success->: On fail->:[KOA202]noserv	
16		CALL PROCEDURE	Call procedure at->:[koa205]log Parameters:'SOAP server gestart' Return->:RET6	
17	**RET6**			
18				
19	**LOOP**			
20				
21		COMPUTE	!BGCOLOR = sys.KOA.1 + 3; dummy = 'status_' + %str(sys.KOA.1);	
22		COMPUTE	dummy = &dummy;	*status beschrijving in dummy*
23		DISPLAY STATUS	Display text:status: &sys.KOA.1 - &dummy	
24		COMPUTE	!DLG.OUTPUTTITLE = 'stembureau status ' + %str(sys.koa.1) + ' - ' + dummy;	
25		DIALOG OUTPUT	Output:'main loop, stembureau status	

Label Playlist	Action	Parameters	Comment
		= ' ; sys.KOA.1; ' - ' ; dummy	
26	SIGNAL INT. ON	On signal received->:[KOA203]CHECK	*als er interrupts zijn* *-> handle*
27	EXT PROC	On interrupt->:SOAP	
28	SIGNAL INT. OFF		
29	EXT PROC		
30	IF	(statusUpdated) and (%WINTICKCOUNT >= (statusStamp + sys.KOA.2)) On True->:tout On False->:	*status distributie* *timeout?*
31	USE DATA FILE	Datafile name:KOA_NODE	
32 **SYNC?**	SEARCH FIRST	Search define line:S0 On found->:[KOA203]sync On not found->:	*zijn er te* *synchroniseren nodes?*
33	SEARCH FIRST	Search define line:S1 On found->:[KOA203]RESYNC On not found->:	*zijn er nodes waar* *sync mislukte?*
34	SEARCH FIRST	Search define line:S3 On found->:[KOA203]REstat On not found->:	*wacht ik al lang nog* *op statistieken?*
35	SIGNAL INT. ON	On signal received->:[KOA203]CHECK	
36	EXT PROC	On interrupt->:SOAP	
37	IF	statusUpdated On True->: On False->:long	*bezig met status* *distributie?*
38	DELAY MS	Delay Period (ms):100	*bezig met status-* *update, korte loop*
39	BRANCH	Branch to:loop	
40 **LONG**	DELAY	Delay Period (Sec):1	
41	CLOSE DATA FILE	Datafile name:KOA_NODE	
42	DELAY	Delay Period (Sec):5	
43	BRANCH	Branch to:loop	
44			
45 **SOAP**	EXT PROC	Store procedure number in :extProc Store parameter in :extParam On no interrupt->:LOOP On ext. proc success->: On ext. proc fail->:fail4	
46	DIALOG OUTPUT	Output:'SOAP bericht, procnummer=' ; extProc ; ' param=' ; extParam	
47	EXTERNAL PARAM.	extParam;	*haal de parameters op*
48	EXTERNAL PROC.	Process number:3 Function number:101 On success->: On fail->:fail5	
49	COMPUTE	SOAPaction = %lower(%field('|',2,extParam)); SOAPparams = %extparam(1,%extparamlen); status = 0;	
50	DIALOG OUTPUT	Output:'SOAP parameters: '; SOAPparams	
51	IF	SOAPaction = 'getstatistics' On True->:[KOA203]gstat On False->:	*statistieken opvragen?*
52	COMPUTE - IF	If:SOAPAction = 'prepareforopening' Then compute:status = 2; Else compute:	*bepaal status die TSM* *moet aannemen*
53	COMPUTE - IF	If:SOAPAction = 'prepareforreopening'	*klaar voor hervatten*

Label Playlist	Action	Parameters	Comment
		Then compute:status = 6; Else compute:	
54	COMPUTE - IF	If:SOAPAction = 'open' Then compute:status = 3; Else compute:	*open*
55	COMPUTE - IF	If:SOAPAction = 'suspend' Then compute:status = 5; Else compute:	*geschorst*
56	COMPUTE - IF	If:SOAPAction = 'block' Then compute:status = 4; Else compute:	*Geblokkeerd*
57	COMPUTE - IF	If:SOAPAction = 'reopen' Then compute:status = 3; Else compute:	*her-open*
58	COMPUTE - IF	If:SOAPAction = 'close' Then compute:status = 7; Else compute:	*sluiten*
59	IF	status = 0 On True->:SOAP? On False->:	*onbekend SOAP bericht?*
60	CALL PROCEDURE	Call procedure at->:[koa205]event Parameters:'MSG','STATUS',%str(status) SOAPaction + ' -> status naar ' + %str(status) Return->:RET8	

61 **RET8**	COMPUTE	sys.KOA.1 = status;
		statusUpdated = 'Y';
		statusStamp = %WINTICKCOUNT;
		!FGCOLOR = 12;	

62	USE DATA FILE	Datafile name:KOA_node	
63	SEARCH FIRST	Search define line:S0 On found->: On not found->:syncOK	*geen andere nodes -> syncOK*
64	BRANCH	Branch to:loop	*terug naar loop. als bevestigingen*
65			*binnen zijn, wordt SOAP bericht*
66			*beantwoord*
67			*--*
68			
69 **TOUT**			*Distributie duurt te lang.*
70			*bepaal welke nodes nog niet zijn*
71			*gesynchroniseerd*
72	COMPUTE	nodeList = '';	
73	USE DATA FILE	Datafile name:KOA_node	
74	SEARCH FIRST	Search define line:S2 On found->: On not found->:DONE1	*maak lijst van probleem-nodes*
75 **LOOP1**	COMPUTE	dummy = %str(KOA_node.ID) + '-' + KOA_node.descript;	
76	COMPUTE - IF	If:nodelist = '' Then compute:nodelist = dummy Else compute:nodelist = nodelist + ',' + dummy	
77	CALL PROCEDURE	Call procedure at->:[KOA205]event Parameters:'SET','DIST',%Str(KOA_node. 'time-out synchronisatie node ' + %str(KOA_node.ID) + '-' + KOA_node.descript	*zet alarm voor die node*

Label Playlist	Action	Parameters	Comment
		Return->:RET14	
78 **RET14**	SEARCH NEXT	Search defined at label:S2 On found->:LOOP1 On not found->:	
79 **DONE1**	COMPUTE - IF	If:nodelist = '' Then compute:nodelist = '(geen)'; Else compute:	
80	COMPUTE	sendMsg = '-1|Communicatie met nodes (' + nodelist + ')time-out (' + %str(%WINTICKCOUNT-statusStamp) + ' ms) :';	*-1=fail + plus melding*
81	BRANCH	Branch to:FORMAT	
82			
83 **SYNCOK**	COMPUTE	!FGCOLOR = 15;	*synchronisatie* *succesvol*
84	DISPLAY STATUS	Display text:status: &sys.KOA.1 - &dummy	
85	CALL PROCEDURE	Call procedure at->:[koa205]log Parameters:'synchronisatie compleet (' + %str(%WINTICKCOUNT - statusStamp) + ' ms)' Return->:RET11	
86 **RET11**	COMPUTE	SENDMSG = '0|null';	*0=OK 3jun2003: added* *'null'*
87 **FORMAT**	IF	%pos(' ' + SOAPaction + ' ', statCommands) > 0 On True->:SSTATS On False->:	*status wijziging met* *stats?*
88	IF	(status = 2) or (status = 6) On True->: On False->:reply	*20-3-2003: prep* *open/reopen -> reset*
89	RUN PROCEDURE	Run procedure at:[koa206]reset Return to line:reply	*lokale tellers resetten*
90			
91 **SSTATS**	IF	(status = 2) or (status = 6) On True->:B On False->:	*bepaal statistiek deel* *van SOAP msg*
92	CALL PROCEDURE	Call procedure at->:[koa205]stats Parameters:SOAPstats,'N' Return->:RET12	*20-3-2003: stats* *zonder reset*
93 **B**	CALL PROCEDURE	Call procedure at->:[koa205]stats Parameters:SOAPstats,'Y' Return->:RET12	*20-3-2003: stats met* *reset*
94 **RET12**			
95			*zet statsdeel in* *bericht*
96	COMPUTE	sendMsg = sendMsg + '|' + SOAPstats;	
97	BRANCH	Branch to:reply	
98			
99 **STATOK**	IF	gettingStats On True->: On False->:LOOP	*statistieken van nodes* *bij elkaar*
100 **STATSD**			
101	CALL PROCEDURE	Call procedure at->:[koa205]stats Parameters:SOAPstats,'N' Return->:RET13	
102 **RET13**			
103			*zet stats in bericht*
104	COMPUTE	sendMsg = SOAPstats; gettingStats = 'N';	

Label Playlist	Action	Parameters	Comment
105	BRANCH	Branch to:reply	
106			
107 **REPLY**			
108	COMPUTE - IF	If:SOAPaction = 'getstatistics' Then compute: Else compute:sendMsg = '{' + sendMsg + '}';	*als niet getStatistics -> in struct*
109	EXTERNAL PARAM.	sendMsg	*send result as Struct*
110	COMPUTE	StatusUpdated = 'N';	
111	CALL PROCEDURE	Call procedure at->:[koa205]log Parameters:'stuur SOAP result: ' + %extparam(1,%extparamlen) Return->:RET10	
112 **RET10**			
113	EXTERNAL PROC.	Process number:3 Function number:102 On success->: On fail->:FAIL6	*stuur het SOAP antwoord naar de VSL*
114	IF	%pos(' ' + SOAPaction + ' ', statCommands) > 0 On True->: On False->:skip2	*nog een stats array vullen?*
115	RUN PROCEDURE	Run procedure at:[KOA205]stats2 Return to line:SKIP2	*vul de array met key/values*
116 **SKIP2**	BRANCH	Branch to:start	*SOAP server opnieuw starten*
117			
118 **SOAP?**	CALL PROCEDURE	Call procedure at->:[koa205]log Parameters:'onbekend SOAP bericht: ' + SOAPaction Return->:RET9	*onbekend SOAP bericht (kan niet)*
119 **RET9**	BRANCH	Branch to:start	
120			
121			
122 **FAIL3**			*signaal van onbekende telefonie-node*
123			*(kan in normale situatie niet voorko*
124			*men)*
125	CALL PROCEDURE	Call procedure at->:[koa205]event Parameters:'MSG','INTERN',%str(SOURCE) 'FOUT: status bevestiging van onbekende node ' + ' poort = ' + %str(source) Return->:CHECK	
126			
127 **FAIL4**			*fout: probleem met ontvangen SOAP*
128	CALL PROCEDURE	Call procedure at->:[koa205]event Parameters:'MSG','SOAP','', 'FOUT: probleem met ontvangen SOAP bericht' Return->:LOOP	
129			
130 **FAIL6**			*fout bij SOAP resultaat versturen*
131	CALL PROCEDURE	Call procedure at->:[koa205]event Parameters:'MSG','SOAP',%extparam(1,20	

Label Playlist	Action	Parameters	Comment
		'FOUT: SOAP server resultaat versturen! ' + %extparam(1,%extparamlen) Return->:START	
132			
133			

'FOUT: SOAP server resultaat
versturen! ' +
%extparam(1,%extparamlen)