

CNC

FACTORYTALK VIEW APPLICATION DOCUMENTATION

May 11, 2012

TABLE OF CONTENTS

1	CNC	2
1.1	CNC	3
1.1.1	SYSTEMS	4
1.1.1.1	Systems\Project Settings	4
1.1.1.2	Systems\Runtime Security	4
1.1.1.3	Systems\Diagnostics List Setup	4
1.1.1.4	Systems\GlobalConnections	4
1.1.1.5	Systems\Startup	5
1.1.2	TAG DATABASE	6
1.1.2.1	Tags\Tag List	6
1.1.2.2	Tags\Tags Cross Reference	6
1.1.3	GRAPHICS	7
1.1.3.1	Graphics\Displays	7
1.1.3.1.1	Graphics\Displays\{INFORMATION}	7
1.1.3.1.2	Graphics\Displays\{ALARM}	8
1.1.3.1.3	Graphics\Displays\{DIAGNOSTICS}	9
1.1.3.1.4	Graphics\Displays\posuv	10
1.1.3.1.5	Graphics\Displays\Automatika	12
1.1.3.1.6	Graphics\Displays\Start	14
1.1.3.1.7	Graphics\Displays\Program	16
1.1.3.2.7	Graphics\GlobalObjects	17
1.1.3.3.7	Graphics\Images	17
1.1.3.3.8	Graphics\Images\Arrow Down	18
1.1.3.3.9	Graphics\Images\Arrow Left	19
1.1.3.3.10	Graphics\Images\Arrow Right	20
1.1.3.3.11	Graphics\Images\Arrow Up	21
1.1.3.3.12	Graphics\Images\Backspace	22
1.1.3.3.13	Graphics\Images\End	23
1.1.3.3.14	Graphics\Images\Enter	24
1.1.3.3.15	Graphics\Images\Home	25
1.1.3.3.16	Graphics\Images\Page Down	26
1.1.3.3.17	Graphics\Images\Page Up	27
1.1.3.3.18	Graphics\Images\manipulator	28
1.1.3.3.19	Graphics\Images\OK	29
1.1.3.3.20	Graphics\Images\excel	30
1.1.3.4.20	Graphics\Parameters	30
1.1.3.5.20	Graphics\Local Messages	30
1.1.4	ALARMS	31
1.1.4.1	Alarms\Alarm Setup	31
1.1.5	INFORMATION	33
1.1.5.1	Information\Information Setup	33
1.1.5.2	Information\Information Messages	33
1.1.6	LOGIC AND CONTROL	34
1.1.6.1	LogicControl\Macros	34
1.1.7	DATALOG	35
1.1.7.1	Datalog\Datalog Models	35
1.1.8	RECIPEPLUS	36
1.1.8.1	RecipePlus\RecipePlus Setup	36
1.1.8.2	RecipePlus\RecipePlus Editor	36
1.1.9	DIRECT TAGS	37
1.1.9.1	Direct Tags\Direct Tags Cross Reference	37
1.2	RSLINX ENTERPRISE	39

CNC

FACTORYTALK VIEW APPLICATION DOCUMENTATION

May 11, 2012

1 CNC

<u>Name</u>	<u>Description</u>
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CNC	Model CNC pro glavirovani Diplomova prace Kovar Pavel 2011-2012
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1.1 CNC

<u>Properties</u>	<u>Value</u>
Name	CNC
Description	
Project file	C:\Documents and Settings\All Users\Documents\RSView Enterprise\ME\HMI Projects\CNC
Number of displays	7
Licensed maximum	500

1.1.1 SYSTEMS

1.1.1.1 Systems\Project Settings

1.1.1.1.1 General

Option	Selection
Project window size	800*600
Width	800
Height	600
Compact Machine Edition application	NO

1.1.1.1.2 Runtime

Option	Selection	Content
Title Bar	NO	
Border	NO	
Control Box	NO	
Minimize button	NO	
Project window position: Top	0	
Project window position: Left	0	
Enable auto logout	NO	
Inactivity period (minutes)	0	
Return to graphic on logout	NO	
Parameter file for graphic	NO	
Parameter list for graphic	NO	

1.1.1.1.3 Tags used by Component

Tag Name	Tag Type	Tag Description
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1.1.1.2 Systems\Runtime Security

1.1.1.2.1 ME Runtime 4.0 and later

AccountID	Login Macro	Logout Macro	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P
DEFAULT			Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y

1.1.1.2.2 ME Runtime 3.20 and earlier

AccountID	Login Macro	Logout Macro	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P
DEFAULT			Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y

1.1.1.3 Systems\Diagnostics List Setup

1.1.1.3.1 Log Messages to printer when

Option	Selection
Error occur	NO
Warning occur	NO
Information occur	NO
Audit occur	NO

1.1.1.3.2 Runtime display

Option	Selection
Display name	[DIAGNOSTICS]
Error occur	YES
Warning occur	YES
Information occur	NO
Audit occur	NO
Maximum number of messages	200

1.1.1.4 Systems\GlobalConnections

1.1.1.4.1 General

Option	Selection
Date and time output interval(seconds)	60
Maximum update rate	250 millisecond

1.1.1.4.2 Connection

Connection	Tag or Expression
------------	-------------------

Replace Display Number	
Display Print Active	
Year	
Day of Week	
Month	
Day of Month	
Hour	
Minute	
Second	
Remote Display Number	
Remote Display Print	
Remote Date and Time	
Remote Year	
Remote Month	
Remote Day of Month	
Remote Hour	
Remote Minute	
Remote Second	
Remote Backlight Intensity	
Remote Macro1	
Remote Macro2	
Remote Macro3	
Remote Macro4	
Remote Macro5	
MERuntime RAM Usage	
Total RAM Usage	
Available RAM	
Remote RAM Usage	
Close an On Top Display	
Close All On Top Displays	
Parameter File	
Use Parameter List	
Parameter Tag #1:	
Parameter Tag #2:	
Parameter Tag #3:	
Parameter Tag #4:	
Parameter Tag #5:	
Parameter Tag #6:	
Parameter Tag #7:	
Parameter Tag #8:	
Parameter Tag #9:	
Parameter Tag #10:	

1.1.1.4.3 Tags used by Component

Tag Name	Tag Type	Tag Description
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1.1.1.5 Systems\Startup

1.1.1.5.1 Start when project is run

Option	Selection	Content
Alarms	YES	
Information messages	YES	
Data logging	NO	
Startup macro	NO	
Shutdown macro	NO	
Initial graphic	YES	Start
Parameter file for the initial graphic	YES	
Parameter list for the initial graphic	NO	

1.1.1.5.2 Tags used by Component

Tag Name	Tag Type	Tag Description
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1.1.2 TAG DATABASE

1.1.2.1 Tags\Tag List

1.1.2.1.1 Summary

<u>Option</u>	<u>Total number</u>
Tags	17
Device tags	0
Device analog tags	0
Device digital tags	0
Device string tags	0
Memory tags	0
Memory analog tags	0
Memory digital tags	0
Memory string tags	0

1.1.2.1.2 Analog Tag List

<u>Tag Name</u>	<u>Tag Type</u>	<u>Tag Description</u>	<u>Minimum</u>	<u>Maximum</u>	<u>Data Source</u>	<u>Initial Value</u>	<u>Retentive</u>	<u>Address</u>	<u>Scale</u>	<u>Offset</u>	<u>Data Type</u>
system\ DateAndTimeInteger	Analog Tags	System date and time integer	0.00	2147395600.00	System Tag	--	--	--	1.00	0.00	Long Integer
system\ DayOfMonth	Analog Tags	Day of Month	1.00	31.00	System Tag	--	--	--	1.00	0.00	Unsigned Integer
system\ DayOfWeek	Analog Tags	Day of Week (Sunday = 1)	1.00	7.00	System Tag	--	--	--	1.00	0.00	Unsigned Integer
system\ DayOfYear	Analog Tags	Day of Year	1.00	366.00	System Tag	--	--	--	1.00	0.00	Unsigned Integer
system\ Hour	Analog Tags	Hour of day (0 - 23)	0.00	23.00	System Tag	--	--	--	1.00	0.00	Unsigned Integer
system\ Minute	Analog Tags	Minutes (0 - 59)	0.00	59.00	System Tag	--	--	--	1.00	0.00	Unsigned Integer
system\ Month	Analog Tags	Month	1.00	12.00	System Tag	--	--	--	1.00	0.00	Unsigned Integer
system\ Second	Analog Tags	Seconds (0 - 59)	0.00	59.00	System Tag	--	--	--	1.00	0.00	Unsigned Integer
system\ Year	Analog Tags	Year	0.00	32000.00	System Tag	--	--	--	1.00	0.00	Unsigned Integer

1.1.2.1.3 Digital Tag List

<u>Tag Name</u>	<u>Tag Type</u>	<u>Tag Description</u>	<u>Data Source</u>	<u>Initial Value</u>	<u>Retentive</u>	<u>Address</u>
system\ BlinkFast	Digital Tags	Changes every 100 ms	System Tag	--	--	--
system\ BlinkSlow	Digital Tags	Changes every 500 ms	System Tag	--	--	--

1.1.2.1.4 String Tag List

<u>Tag Name</u>	<u>Tag Type</u>	<u>Tag Description</u>	<u>Length</u>	<u>Data Source</u>	<u>Initial Value</u>	<u>Retentive</u>	<u>Address</u>
system\ AlarmResetDateAndTimeString	String Tags	Date and time string of last Alarm Status reset	48	System Tag	--	--	--
system\ Date	String Tags	System date string	48	System Tag	--	--	--
system\ DateAndTimeString	String Tags	System date and time string	48	System Tag	--	--	--
system\ MonthString	String Tags	Month as string	48	System Tag	--	--	--
system\ Time	String Tags	System time string	48	System Tag	--	--	--
system\ User	String Tags	Currently logged on User	82	System Tag	--	--	--

1.1.2.2 Tags\Tags Cross Reference

1.1.2.2.1 Tag Cross Reference

<u>Tag Name</u>	<u>Tag Type</u>	<u>Tag Description</u>	<u>Component Type</u>	<u>Component Name</u>	<u>Object Name</u>
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1.1.2.2.2 Unused Tag Info

<u>Tag Name</u>	<u>Tag Type</u>	<u>Tag Description</u>
system\ AlarmResetDateAndTimeString	String Tags	Date and time string of last Alarm Status reset
system\ BlinkFast	Digital Tags	Changes every 100 ms
system\ BlinkSlow	Digital Tags	Changes every 500 ms
system\ Date	String Tags	System date string
system\ DateAndTimeInteger	Analog Tags	System date and time integer
system\ DateAndTimeString	String Tags	System date and time string
system\ DayOfMonth	Analog Tags	Day of Month
system\ DayOfWeek	Analog Tags	Day of Week (Sunday = 1)
system\ DayOfYear	Analog Tags	Day of Year
system\ Hour	Analog Tags	Hour of day (0 - 23)
system\ Minute	Analog Tags	Minutes (0 - 59)
system\ Month	Analog Tags	Month
system\ MonthString	String Tags	Month as string
system\ Second	Analog Tags	Seconds (0 - 59)
system\ Time	String Tags	System time string
system\ User	String Tags	Currently logged on User
system\ Year	Analog Tags	Year

1.1.3 GRAPHICS

1.1.3.1 Graphics\Displays

1.1.3.1.1 Graphics\Displays\[INFORMATION]



1.1.3.1.1.1 Graphics|[INFORMATION]|Display Settings|General

Option	Selection
Display Type	On Top Cannot Be Replaced
Security Code	*
Title Bar	NO
Disable Initial Input Focus	NO
Maximum Tag Update Rate	1.00 seconds
Size	Specify Size in Pixels
Specify Size Width	640
Specify Size Height	80
Position X	0
Position Y	175
Background Color	0xC0C0C0

1.1.3.1.1.2 Graphics|[INFORMATION]|Display Settings|Behavior

Option	Selection
Startup Command	
Shutdown Command	
Disable Highlight When Object has Focus	NO
Highlight Color of Objects with Input Focus	0x00FF00

1.1.3.1.1.3 Animated Display Objects

Object Name	Grouping	X	Y	Property	Expression
CloseDisplayButton		575	5	Close Display Button :Key Assignment	F2
InformationAckButton		511	5	ActiveX Control :Key Assignment	F1

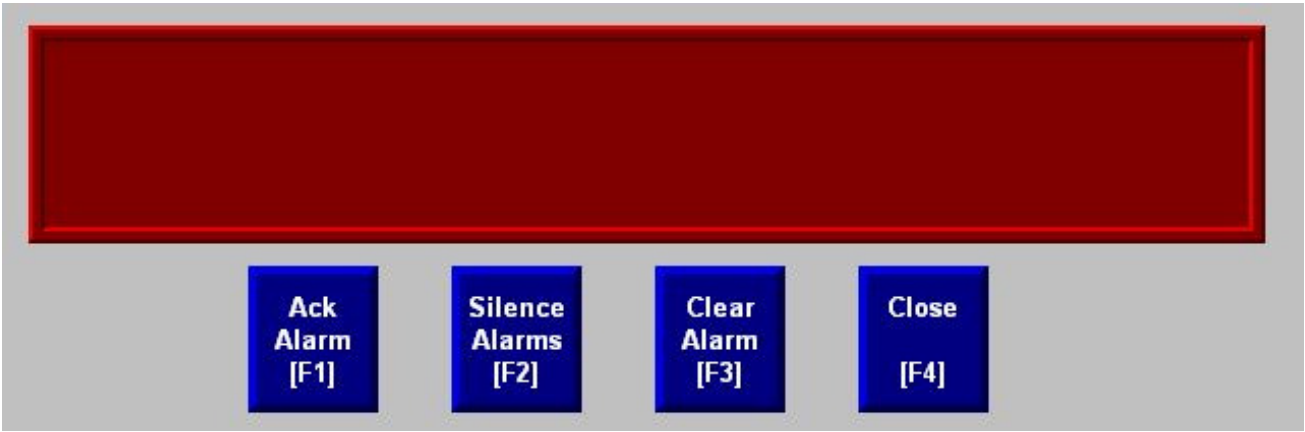
1.1.3.1.1.4 Object Properties

Object Name	Grouping	X	Y
InformationMessageDisplay		2	5

1.1.3.1.1.5 Tags used by Component

Tag Name	Tag Type	Tag Description
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1.1.3.1.2 Graphics\Displays\[ALARM]



1.1.3.1.2.1 Graphics|[ALARM]|Display Settings|General

Option	Selection
Display Type	On Top Cannot Be Replaced
Security Code	*
Title Bar	NO
Disable Initial Input Focus	NO
Maximum Tag Update Rate	1.00 seconds
Size	Specify Size in Pixels
Specify Size Width	640
Specify Size Height	210
Position X	0
Position Y	240
Background Color	0xC0C0C0

1.1.3.1.2.2 Graphics|[ALARM]|Display Settings|Behavior

Option	Selection
Startup Command	
Shutdown Command	
Disable Highlight When Object has Focus	NO
Highlight Color of Objects with Input Focus	0x00FF00

1.1.3.1.2.3 Animated Display Objects

Object Name	Grouping	X	Y	Property	Expression
CloseDisplayButton		421	129	Close Display Button :Key Assignment	F4
ClearAlarmButton		321	129	ActiveX Control :Key Assignment	F3
SilenceAlarmsButton		221	129	ActiveX Control :Key Assignment	F2
AcknowledgeAlarmButton		121	129	ActiveX Control :Key Assignment	F1

1.1.3.1.2.4 Object Properties

Object Name	Grouping	X	Y
AlarmBanner1	13	11	

1.1.3.1.2.5 Tags used by Component

Tag Name	Tag Type	Tag Description
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1.1.3.1.3 Graphics\Displays\[DIAGNOSTICS]



1.1.3.1.3.1 Graphics|[DIAGNOSTICS]|Display Settings|General

Option	Selection
Display Type	On Top Cannot Be Replaced
Security Code	*
Title Bar	NO
Disable Initial Input Focus	NO
Maximum Tag Update Rate	1.00 seconds
Size	Specify Size in Pixels
Specify Size Width	640
Specify Size Height	160
Position X	0
Position Y	10
Background Color	0xC0C0C0

1.1.3.1.3.2 Graphics|[DIAGNOSTICS]|Display Settings|Behavior

Option	Selection
Startup Command	
Shutdown Command	
Disable Highlight When Object has Focus	NO
Highlight Color of Objects with Input Focus	0x00FF00

1.1.3.1.3.3 Animated Display Objects

Object Name	Grouping	X	Y	Property	Expression
CloseDisplayButton		512	80	Close Display Button :Key Assignment	F5
MoveDownButton		448	80	Move Down Button :Key Assignment	F4
MoveUpButton		384	80	Move Up Button :Key Assignment	F3
DiagnosticsClearAllButton		128	80	ActiveX Control :Key Assignment	F2
DiagnosticsClearButton		64	80	ActiveX Control :Key Assignment	F1

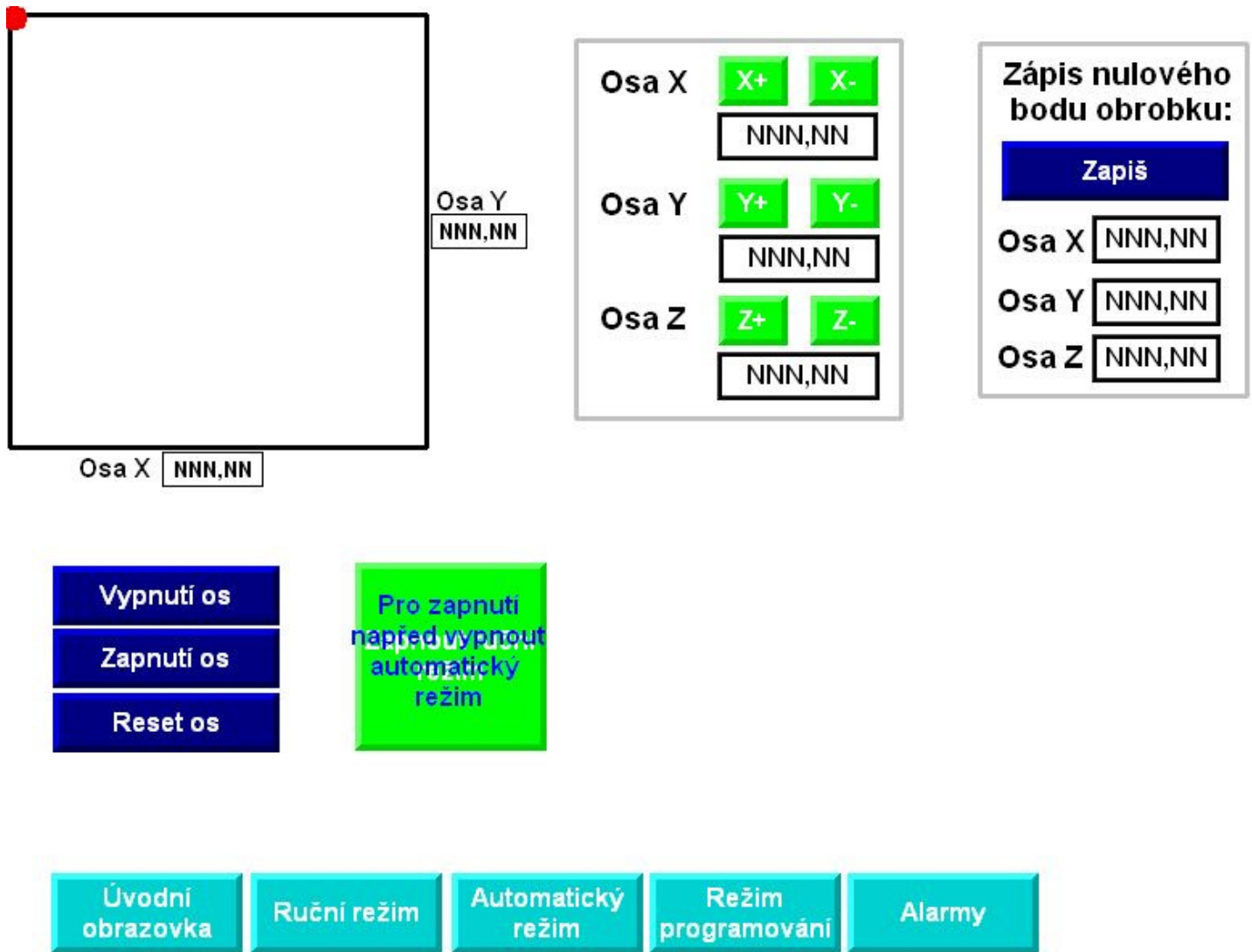
1.1.3.1.3.4 Object Properties

Object Name	Grouping	X	Y
DiagnosticsList		5	5

1.1.3.1.3.5 Tags used by Component

Tag Name	Tag Type	Tag Description
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1.1.3.1.4 Graphics\Displays\posuv



1.1.3.1.4.1 Graphics|posuv|Display Settings|General

Option	Selection
Display Type	On Top
Security Code	*
Title Bar	NO
Disable Initial Input Focus	NO
Maximum Tag Update Rate	1.00 seconds
Size	Specify Size in Pixels
Specify Size Width	800
Specify Size Height	600
Position X	0
Position Y	0
Background Color	0xFFFFFFFF

1.1.3.1.4.2 Graphics|posuv|Display Settings|Behavior

Option	Selection
Startup Command	
Shutdown Command	
Disable Highlight When Object has Focus	NO
Highlight Color of Objects with Input Focus	0x00FF00

1.1.3.1.4.3 Animated Display Objects

Object Name	Grouping	X	Y	Property	Expression
Text10		214	363	Text: Visibility Control	{{[CNCkomunikace]Automatika_ZAP}}
MomentaryPushButton10		500	180	Momentary Push Button: Connections: Value	{{[CNCkomunikace]zJOGminus}}
.		.	.	Momentary Push Button: Connections: Indicator	{{[CNCkomunikace]zJOGminus}}
MomentaryPushButton9		443	180	Momentary Push Button: Connections: Value	{{[CNCkomunikace]zJOGplus}}
.		.	.	Momentary Push Button: Connections: Indicator	{{[CNCkomunikace]zJOGplus}}
MomentaryPushButton8		500	107	Momentary Push Button: Connections: Value	{{[CNCkomunikace]yJOGminus}}

Object Name	Grouping	X	Y	Property	Expression
.	.	.	.	Momentary Push Button: Connections: Indicator	{{CNCkomunikace}yJOGminus}
MomentaryPushButton7	443	107	.	Momentary Push Button: Connections: Value	{{CNCkomunikace}yJOGplus}
.	.	.	.	Momentary Push Button: Connections: Indicator	{{CNCkomunikace}yJOGplus}
MomentaryPushButton6	499	31	.	Momentary Push Button: Connections: Value	{{CNCkomunikace}xJOGminus}
.	.	.	.	Momentary Push Button: Connections: Indicator	{{CNCkomunikace}xJOGminus}
MomentaryPushButton5	443	31	.	Momentary Push Button: Connections: Value	{{CNCkomunikace}xJOGplus}
.	.	.	.	Momentary Push Button: Connections: Indicator	{{CNCkomunikace}xJOGplus}
MaintainedPushButton3	217	346	.	Maintained Push Button: Connections: Value	{{CNCkomunikace}RUCNI_pohyb}
.	.	.	.	Maintained Push Button: Connections: Indicator	{{CNCkomunikace}RUCNI_pohyb}
.	.	.	.	Maintained Push Button: Visibility Control	{{CNCkomunikace}Automatika_ZAP}
MomentaryPushButton4	29	427	.	Momentary Push Button: Connections: Value	{{CNCkomunikace}Reset_OS}
MomentaryPushButton3	29	387	.	Momentary Push Button: Connections: Value	{{CNCkomunikace}Zapnuti_os}
MomentaryPushButton1	29	348	.	Momentary Push Button: Connections: Value	{{CNCkomunikace}Vypnuti_OS}
NumericDisplay10	675	204	.	Numeric Display: Connections: Value	131,45 - {{CNCkomunikace}offsetZ}
NumericDisplay9	675	169	.	Numeric Display: Connections: Value	{{CNCkomunikace}offsetY}
NumericDisplay8	675	130	.	Numeric Display: Connections: Value	{{CNCkomunikace}offsetX}
NumericDisplay7	442	215	.	Numeric Display: Connections: Value	131,45-{{CNCkomunikace}OsaZ.ActualPosition}
NumericDisplay6	443	142	.	Numeric Display: Connections: Value	{{CNCkomunikace}OsaY.ActualPosition}
MomentaryPushButton2	619	84	.	Momentary Push Button: Connections: Value	{{CNCkomunikace}Zapis_offset}
NumericDisplay3	442	66	.	Numeric Display: Connections: Value	{{CNCkomunikace}OsaX.ActualPosition}
NumericDisplay1	264	129	.	Numeric Display: Connections: Value	{{CNCkomunikace}OsaY.ActualPosition}
NumericDisplay2	97	277	.	Numeric Display: Connections: Value	{{CNCkomunikace}OsaX.ActualPosition}
RoundedRectangle1	-2	0	.	Rounded Rectangle: Vertical Position	260 - {{CNCkomunikace}OsaX.ActualPosition} / 2.05
.	.	.	.	Rounded Rectangle: Horizontal Position	{{CNCkomunikace}OsaY.ActualPosition} / 2.05

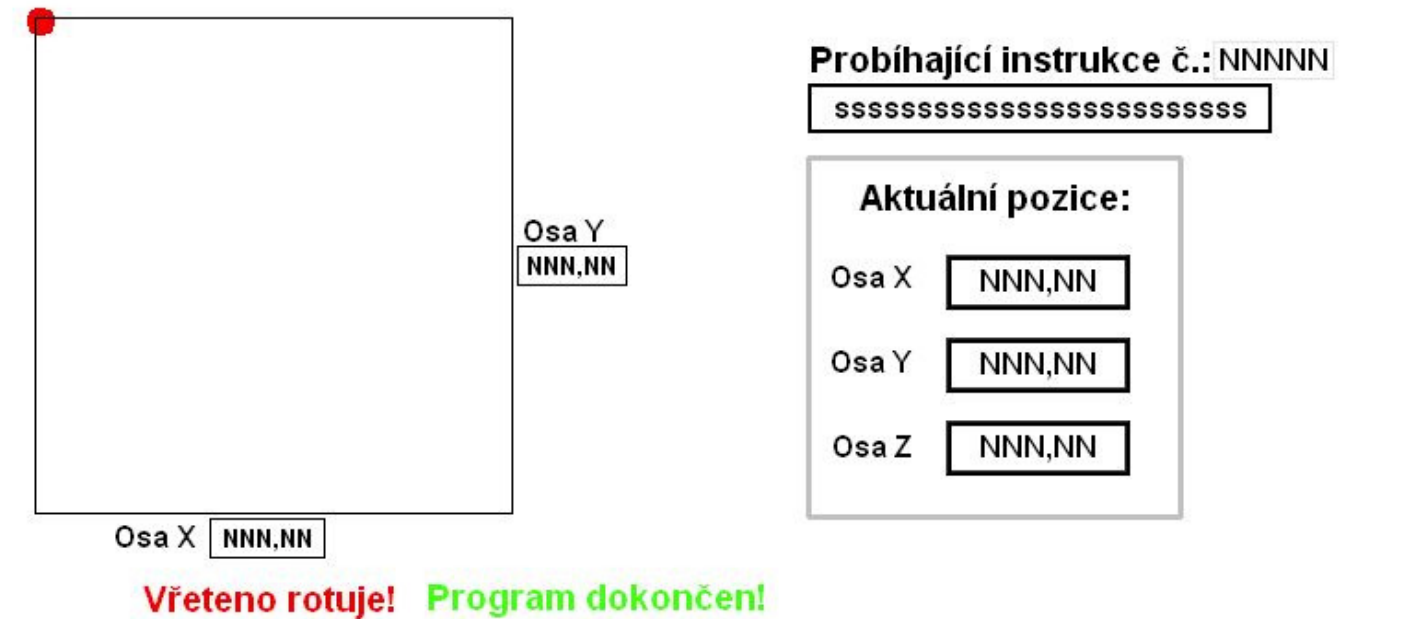
1.1.3.1.4.4 Object Properties

Object Name	Grouping	X	Y
GotoDisplayButton5	28	539	
GotoDisplayButton4	523	539	
GotoDisplayButton3	400	539	
GotoDisplayButton2	277	539	
GotoDisplayButton1	152	539	
Text9	620	31	
Polygon5	604	22	
Text8	616	207	
Text7	616	172	
Text6	616	135	
Text5	369	183	
Text4	369	112	
Text3	369	36	
Text2	267	112	
Text1	45	278	
Polygon2	1	4	
Polygon4	353	20	

1.1.3.1.4.5 Tags used by Component

Tag Name	Tag Type	Tag Description
[CNCkomunikace]Automatika_ZAP		
[CNCkomunikace]offsetX		
[CNCkomunikace]offsetY		
[CNCkomunikace]offsetZ		
[CNCkomunikace]OsaX.ActualPosition		
[CNCkomunikace]OsaY.ActualPosition		
[CNCkomunikace]OsaZ.ActualPosition		
[CNCkomunikace]Reset_OS		
[CNCkomunikace]RUCNI_pohyb		
[CNCkomunikace]Vypnuti_OS		
[CNCkomunikace]xJOGminus		
[CNCkomunikace]xJOGplus		
[CNCkomunikace]yJOGminus		
[CNCkomunikace]yJOGplus		
[CNCkomunikace]Zapis_offset		
[CNCkomunikace]Zapnuti_os		
[CNCkomunikace]zJOGminus		
[CNCkomunikace]zJOGplus		

1.1.3.1.5 Graphics\Displays\Automatika



1.1.3.1.5.1 Graphics|Automatika|Display Settings|General

Option	Selection
Display Type	On Top
Security Code	*
Title Bar	NO
Disable Initial Input Focus	NO
Maximum Tag Update Rate	1.00 seconds
Size	Specify Size in Pixels
Specify Size Width	800
Specify Size Height	600
Position X	0
Position Y	0
Background Color	0xFFFFF

1.1.3.1.5.2 Graphics|Automatika|Display Settings|Behavior

Option	Selection
Startup Command	
Shutdown Command	
Disable Highlight When Object has Focus	NO
Highlight Color of Objects with Input Focus	0x00FF00

1.1.3.1.5.3 Animated Display Objects

Object Name	Grouping	X	Y	Property	Expression
NumericDisplay5		668	50	Numeric Display: Connections: Value	{[CNCkomunikace]Poradi_instrukce}
Text11		241	341	Text: Visibility Control	{[CNCkomunikace]Konec_programu}
Text10		87	342	Text: Color Control	{[CNCkomunikace]Vřeteno}
Text9		13	424	Text: Visibility Control	{[CNCkomunikace]RUCNI_pohyb} OR {[CNCkomunikace]Programovani}
MomentaryPushButton1		403	415	Momentary Push Button: Connections: Value	{[CNCkomunikace]Reset_AUTOMATIKA}
.		.	.	Momentary Push Button: Connections: Indicator	{[CNCkomunikace]Reset_AUTOMATIKA}

<u>Object Name</u>	<u>Grouping</u>	<u>X</u>	<u>Y</u>	<u>Property</u>	<u>Expression</u>
.	.	.	.	Momentary Push Button: Visibility Control	{{[CNCkomunikace]Automatika_ZAP}}
NumericInputEnable5	781	3	.	Numeric Input Enable: Connections: Value	{{[CNCkomunikace]Meritko_X}}
NumericInputEnable4	531	428	.	Numeric Input Enable: Connections: Value	{{[CNCkomunikace]Meritko_X}}
.	.	.	.	Numeric Input Enable: Visibility Control	{{[CNCkomunikace]Automatika_ZAP}}
NumericInputEnable2	532	465	.	Numeric Input Enable: Connections: Value	{{[CNCkomunikace]Meritko_Y}}
.	.	.	.	Numeric Input Enable: Visibility Control	{{[CNCkomunikace]Automatika_ZAP}}
NumericDisplay8	679	466	.	Numeric Display: Connections: Value	{{[CNCkomunikace]Meritko_Y}}
NumericDisplay4	679	427	.	Numeric Display: Connections: Value	{{[CNCkomunikace]Meritko_X}}
MaintainedPushButton3	276	416	.	Maintained Push Button: Connections: Value	{{[CNCkomunikace]STOP_Program}}
.	.	.	.	Maintained Push Button: Connections: Indicator	{{[CNCkomunikace]STOP_Program}}
MomentaryPushButton3	148	415	.	Momentary Push Button: Connections: Value	{{[CNCkomunikace]pokracovat_v_prog}}
.	.	.	.	Momentary Push Button: Connections: Indicator	{{[CNCkomunikace]pokracovat_v_prog}}
.	.	.	.	Momentary Push Button: Visibility Control	111 == {{[CNCkomunikace]STAV}}
MaintainedPushButton2	16	415	.	Maintained Push Button: Connections: Value	{{[CNCkomunikace]Automatika_ZAP}}
.	.	.	.	Maintained Push Button: Connections: Indicator	{{[CNCkomunikace]Automatika_ZAP}}
.	.	.	.	Maintained Push Button: Visibility Control	{{[CNCkomunikace]RUCNI_pohyb} OR {{[CNCkomunikace]Programovani}}
StringDisplay1	448	73	.	String Display: Connections: Value	{{[CNCkomunikace]probihajici_instrukce}}
NumericDisplay7	523	256	.	Numeric Display: Connections: Value	131,45-{{[CNCkomunikace]OsaZ.ActualPosition}}
NumericDisplay6	523	211	.	Numeric Display: Connections: Value	{{[CNCkomunikace]OsaY.ActualPosition}}
NumericDisplay3	523	166	.	Numeric Display: Connections: Value	{{[CNCkomunikace]OsaX.ActualPosition}}
NumericDisplay2	123	309	.	Numeric Display: Connections: Value	{{[CNCkomunikace]OsaX.ActualPosition}}
NumericDisplay1	290	161	.	Numeric Display: Connections: Value	{{[CNCkomunikace]OsaY.ActualPosition}}
RoundedRectangle1	24	32	.	Rounded Rectangle: Color Control	{{[CNCkomunikace]Vretno}}
.	.	.	.	Rounded Rectangle: Vertical Position	260 - {{[CNCkomunikace]OsaX.ActualPosition}} / 2.05
.	.	.	.	Rounded Rectangle: Horizontal Position	{{[CNCkomunikace]OsaY.ActualPosition}} / 2.05

1.1.3.1.5.4 Object Properties

<u>Object Name</u>	<u>Grouping</u>	<u>X</u>	<u>Y</u>
GotoDisplayButton5	28	539	.
GotoDisplayButton4	523	539	.
GotoDisplayButton3	400	539	.
GotoDisplayButton2	277	539	.
GotoDisplayButton1	152	539	.
Text8	531	401	.
Text7	449	49	.
Text6	476	124	.
Polygon4	447	112	.
Text5	461	261	.
Text4	460	215	.
Text3	460	169	.
Text1	71	310	.
Text2	293	144	.
Polygon2	28	37	.

1.1.3.1.5.5 Tags used by Component

<u>Tag Name</u>	<u>Tag Type</u>	<u>Tag Description</u>
[CNCkomunikace]Automatika_ZAP		
[CNCkomunikace]Konec_programu		
[CNCkomunikace]Meritko_X		
[CNCkomunikace]Meritko_Y		
[CNCkomunikace]OsaX.ActualPosition		
[CNCkomunikace]OsaY.ActualPosition		
[CNCkomunikace]OsaZ.ActualPosition		
[CNCkomunikace]pokracovat_v_prog		
[CNCkomunikace]Poradi_instrukce		
[CNCkomunikace]probihajici_instrukce		
[CNCkomunikace]Programovani		
[CNCkomunikace]Reset_AUTOMATIKA		
[CNCkomunikace]RUCNI_pohyb		
[CNCkomunikace]STAV		
[CNCkomunikace]STOP_Program		
[CNCkomunikace]Vretno		

1.1.3.1.6 Graphics\Displays\Start

CNC Frézka

Bc. Kovář Pavel
Diplomová práce 2012

Postupujte podle návodu:

Reset os	Restartujete OSY
Zapnutí os	Zapněte OSY
Kalibrace os	Zkalibrujte OSY
Vypnutí os	



1.1.3.1.6.1 Graphics|Start|Display Settings|General

Option	Selection
Display Type	On Top
Security Code	*
Title Bar	NO
Disable Initial Input Focus	NO
Maximum Tag Update Rate	1.00 seconds
Size	Specify Size in Pixels
Specify Size Width	800
Specify Size Height	600
Position X	0
Position Y	0
Background Color	0xFFFFFFFF

1.1.3.1.6.2 Graphics|Start|Display Settings|Behavior

Option	Selection
Startup Command	
Shutdown Command	
Disable Highlight When Object has Focus	NO
Highlight Color of Objects with Input Focus	0x00FF00

1.1.3.1.6.3 Animated Display Objects

Object Name	Grouping	X	Y	Property	Expression
Text6		180	340	Text: Visibility Control	{[CNCkomunikace]zkalibrovano} {[CNCkomunikace]OsaX.DriveEnableStatus} AND {[CNCkomunikace]OsaY.DriveEnableStatus} AND {[CNCkomunikace]OsaZ.DriveEnableStatus}
Text5		180	301	Text: Visibility Control	
Text4		181	263	Text: Visibility Control	
					{[CNCkomunikace]X_SOT.MASR.DN} AND {[CNCkomunikace]Y_SOT.MASR.DN} AND {[CNCkomunikace]Z_SOT.MASR.DN}

Object Name	Grouping	X	Y	Property	Expression
Group1	++Group1 	321	285	Group: Visibility Control	{[CNCkomunikace]pripraveno}
Group1		321	285		
Image3		340	285		
Text3		321	354		
Group1	+-Group1	321	285	Momentary Push Button: Connections: Value	{[CNCkomunikace]Kalibrace_OS}
MomentaryPushButton5		35	330		
.		.	.	Momentary Push Button: Connections: Indicator	{[CNCkomunikace]zkalibrovano}
MomentaryPushButton2		35	368	Momentary Push Button: Connections: Value	{[CNCkomunikace]Vypnuti_OS}
MomentaryPushButton4		35	254	Momentary Push Button: Connections: Value	{[CNCkomunikace]Reset_OS}
MomentaryPushButton3		35	292	Momentary Push Button: Connections: Value	{[CNCkomunikace]Zapnuti_os}

1.1.3.1.6.4 Object Properties

Object Name	Grouping	X	Y
ShutdownButton1		668	537
GotoDisplayButton5		28	539
GotoDisplayButton4		523	539
GotoDisplayButton3		400	539
GotoDisplayButton2		277	539
GotoDisplayButton1		152	539
Text7		35	227
Image2		421	4
Text2		36	112
Text1		27	27

1.1.3.1.6.5 Tags used by Component

Tag Name	Tag Type	Tag Description
[CNCkomunikace]Kalibrace_OS		
[CNCkomunikace]OsaX.DriveEnableStatus		
[CNCkomunikace]OsaY.DriveEnableStatus		
[CNCkomunikace]OsaZ.DriveEnableStatus		
[CNCkomunikace]pripraveno		
[CNCkomunikace]Reset_OS		
[CNCkomunikace]Vypnuti_OS		
[CNCkomunikace]X_SOT.MASR.DN		
[CNCkomunikace]Y_SOT.MASR.DN		
[CNCkomunikace]Z_SOT.MASR.DN		
[CNCkomunikace]Zapnuti_os		
[CNCkomunikace]zkalibrovano		

1.1.3.1.7 Graphics\Displays\Program

Nahlizená instrukce č.: NNNNN

Pořadí instrukce sssssssssssssssssssssssssssssss

Předchozí Další

Po zapnutí programovacího režimu spustíte příložený excel a nahrajte program do paměti frézky

Zvětšení v ose X a Y:

Zvětšení v ose Z NN,NN

Zvětšení v ose Y NN,NN

Po nahrání programu je nutné jej zkontrolovat

Zkontrolovat program



B	C	D/E	F	G
Zadejte cestu k souboru			(...Program Files\EAGLE-5.6.0\ulp\pcb-gcode.ulp)	
Cesta k souboru:	Chyba souboru		(Copyright 2005 - 2009 by John Johnson)	
Vybrat cestu k souboru			(See readme.txt for licensing terms.)	
Načteno řádků:	134		(This file generated from the board)	
			(...eagle/SemestrálníPrace2\SP2.brd)	
Velikost souboru [b]:	2944		(Current profile is ...EAGLE-5.6.0\ulp/profiles/ernc.pp.)	
			(This file generated 27.12.2011 21:57:53)	
Načti soubor			G21	
			(Absolute Coordinates)	
Naposled načteno v:	1.52.23 odp.		G60	
			G00 X0.0000 Y0.0000	
Smazat			M03	
Zapiš			G04 P5.000000	
			G00 Z2.0000	
			G00 X8.0254 Y28.4582	
			G01 Z-0.2000 F300.00	
			G01 X18.1400 Y8.2300 F500.00	
			G01 X18.2213 Y8.5660	
			G01 X18.3173 Y8.6754	
Zapisuji:			G01 X18.3828 Y8.7447	
Zapsáno:	0		G01 X18.5765 Y8.5766	

Pro zapnutí
napřed vypnout
automatický
režim

Úvodní obrazovka Ruční režim Automatický režim Režim programování Alarmy

1.1.3.1.7.1 Graphics|Program|Display Settings|General

Option	Selection
Display Type	On Top
Security Code	*
Title Bar	NO
Disable Initial Input Focus	NO
Maximum Tag Update Rate	1.00 seconds
Size	Specify Size in Pixels
Specify Size Width	800
Specify Size Height	600
Position X	0
Position Y	0
Background Color	0xFFFFFFFF

1.1.3.1.7.2 Graphics|Program|Display Settings|Behavior

Option	Selection
Startup Command	
Shutdown Command	
Disable Highlight When Object has Focus	NO
Highlight Color of Objects with Input Focus	0x00FF00

1.1.3.1.7.3 Animated Display Objects

Object Name	Grouping	X	Y	Property	Expression
RampButton2		113	110	Ramp Button: Connections: Value	{{CNCkomunikace}por_proh_ins}
RampButton1		16	110	Ramp Button: Connections: Value	{{CNCkomunikace}por_proh_ins}
NumericDisplay2		373	46	Numeric Display: Connections: Value	{{CNCkomunikace}por_proh_ins}
Text10		381	410	Text: Visibility Control	{{CNCkomunikace}Automatika_ZAP}
Group2	++Group2	150	372		
Group2		150	372	Group: Visibility Control	{{CNCkomunikace}Chyba_prog}

Object Name	Grouping	X	Y	Property	Expression
NumericDisplay1		173	399	Numeric Display: Connections: Value	{[CNCkomunikace]Chyba_instrukce}
Text4		150	372		
Group2	+Group2	150	372		
Group1	++Group1	171	348		
Group1		171	348	Group: Visibility Control	{[CNCkomunikace]Program_OK}
Image1		191	348		
Text3		171	424		
Group1	+Group1	171	348		
MomentaryPushButton1	.	13	337	Momentary Push Button: Connections: Value	{[CNCkomunikace]KONTROLA_programu}
.	.	.	.	Momentary Push Button: Visibility Control	{[CNCkomunikace]Programovani}
Text1	.	14	287	Text: Visibility Control	{[CNCkomunikace]Programovani}
NumericInputEnable1	.	16	71	Numeric Input Enable: Connections: Value	{[CNCkomunikace]por_proh_ins}
.	.	.	.	Numeric Input Enable: Visibility Control	{[CNCkomunikace]Automatika_ZAP}
MaintainedPushButton2	.	383	394	Maintained Push Button: Connections: Value	{[CNCkomunikace]Programovani}
.	.	.	.	Maintained Push Button: Connections: Indicator	{[CNCkomunikace]Programovani}
.	.	.	.	Maintained Push Button: Visibility Control	{[CNCkomunikace]Automatika_ZAP}
StringDisplay1	.	162	71	String Display: Connections: Value	{[CNCkomunikace]nahlizena_instrukce}
NumericInputEnable4	.	14	204	Numeric Input Enable: Connections: Value	{[CNCkomunikace]Meritko_X}
.	.	.	.	Numeric Input Enable: Visibility Control	{[CNCkomunikace]Automatika_ZAP}
NumericInputEnable2	.	15	241	Numeric Input Enable: Connections: Value	{[CNCkomunikace]Meritko_Y}
.	.	.	.	Numeric Input Enable: Visibility Control	{[CNCkomunikace]Automatika_ZAP}
NumericDisplay8	.	162	242	Numeric Display: Connections: Value	{[CNCkomunikace]Meritko_Y}
NumericDisplay4	.	162	203	Numeric Display: Connections: Value	{[CNCkomunikace]Meritko_X}

1.1.3.1.7.4 Object Properties

Object Name	Grouping	X	Y
GotoDisplayButton5	.	28	539
GotoDisplayButton4	.	523	539
GotoDisplayButton3	.	400	539
GotoDisplayButton2	.	277	539
GotoDisplayButton1	.	152	539
Text2	.	481	55
Image2	.	365	135
Text7	.	163	47
Text8	.	14	177

1.1.3.1.7.5 Tags used by Component

Tag Name	Tag Type	Tag Description
[CNCkomunikace]Automatika_ZAP		
[CNCkomunikace]Chyba_instrukce		
[CNCkomunikace]Chyba_prog		
[CNCkomunikace]KONTROLA_programu		
[CNCkomunikace]Meritko_X		
[CNCkomunikace]Meritko_Y		
[CNCkomunikace]nahlizena_instrukce		
[CNCkomunikace]por_proh_ins		
[CNCkomunikace]Program_OK		
[CNCkomunikace]Programovani		

1.1.3.3.8 Graphics\Images\Arrow Down



<u>Option</u>	<u>Selection</u>
Image file name	C:\Documents and Settings\All Users\Documents\RSView Enterprise\ME\HMI Projects\CNC\Images\Arrow Down.bmp
Pixel dimension	22 x 22
Format	Bitmap
Type	Monochrome

1.1.3.3.9 Graphics\Images\Arrow Left



<u>Option</u>	<u>Selection</u>
Image file name	C:\Documents and Settings\All Users\Documents\RSView Enterprise\ME\HMI Projects\CNC\Images\Arrow Left.bmp
Pixel dimension	22 x 22
Format	Bitmap
Type	Monochrome

1.1.3.3.10 Graphics\Images\Arrow Right



Option	Selection
Image file name	C:\Documents and Settings\All Users\Documents\RSView Enterprise\ME\HMI Projects\CNC\Images\Arrow Right.bmp
Pixel dimension	22 x 22
Format	Bitmap
Type	Monochrome

1.1.3.3.11 Graphics\Images\Arrow Up



<u>Option</u>	<u>Selection</u>
Image file name	C:\Documents and Settings\All Users\Documents\RSView Enterprise\ME\HMI Projects\CNC\Images\Arrow Up.bmp
Pixel dimension	22 x 22
Format	Bitmap
Type	Monochrome

1.1.3.3.12 Graphics\Images\Backspace



<u>Option</u>	<u>Selection</u>
Image file name	C:\Documents and Settings\All Users\Documents\RSView Enterprise\ME\HMI Projects\CNC\Images\Backspace.bmp
Pixel dimension	22 x 22
Format	Bitmap
Type	Monochrome

1.1.3.3.13 Graphics\Images\End



<u>Option</u>	<u>Selection</u>
Image file name	C:\Documents and Settings\All Users\Documents\RSView Enterprise\ME\HMI Projects\CNC\Images\End.bmp
Pixel dimension	22 x 22
Format	Bitmap
Type	Monochrome

1.1.3.3.14 Graphics\Images\Enter



Option	Selection
Image file name	C:\Documents and Settings\All Users\Documents\RSView Enterprise\ME\HMI Projects\CNC\Images\Enter.bmp
Pixel dimension	22 x 22
Format	Bitmap
Type	Monochrome

1.1.3.3.15 Graphics\Images\Home



<u>Option</u>	<u>Selection</u>
Image file name	C:\Documents and Settings\All Users\Documents\RSView Enterprise\ME\HMI Projects\CNC\Images\Home.bmp
Pixel dimension	22 x 22
Format	Bitmap
Type	Monochrome

1.1.3.3.16 Graphics\Images\Page Down



<u>Option</u>	<u>Selection</u>
Image file name	C:\Documents and Settings\All Users\Documents\RSView Enterprise\ME\HMI Projects\CNC\Images\Page Down.bmp
Pixel dimension	22 x 22
Format	Bitmap
Type	Monochrome

1.1.3.3.17 Graphics\Images\Page Up



<u>Option</u>	<u>Selection</u>
Image file name	C:\Documents and Settings\All Users\Documents\RSView Enterprise\ME\HMI Projects\CNC\Images\Page Up.bmp
Pixel dimension	22 x 22
Format	Bitmap
Type	Monochrome

1.1.3.3.18 Graphics\Images\manipulator

**Option****Selection**

Image file name	C:\Documents and Settings\All Users\Documents\RSView Enterprise\ME\HMI Projects\CNC\Images\manipulator.bmp
Pixel dimension	739 x 671
Format	Bitmap
Type	16777216 color

1.1.3.3.19 Graphics\Images\OK



<u>Option</u>	<u>Selection</u>
Image file name	C:\Documents and Settings\All Users\Documents\RSView Enterprise\ME\HMI Projects\CNC\Images\OK.bmp
Pixel dimension	285 x 284
Format	Bitmap
Type	16777216 color

1.1.3.3.20 Graphics\Images\excel

B	C	D	E	F	G
Zadejte cestu k souboru!				(...Program Files\EAGLE-5.6.0\ulp\pcb-gcode.ulp)	
Cesta k souboru:	C:\g_kod.brd			(Copyright 2005 - 2009 by John Johnson)	
Vybrat cestu k souboru				(See readme.txt for licensing terms.)	
Načteno řádků:	124			(This file generated from the board.)	
				(...eagle/SemestrainiPrace2/SP2.brd)	
Velikost souboru [b]:	2944			(Current profile is ...EAGLE-5.6.0\ulp/profiles/emc.pp_)	
				(This file generated 27.12.2011 21:57:53)	
Načti soubor				G21	
Naposled načteno v:	1.52.23 odp.			(Absolute Coordinates)	
				G90	
				G00 X0.0000 Y0.0000	
				M03	
				G04 P5.000000	
				G00 Z2.0000	
				G00 X8.0254 Y28.4582	
				G01 Z-0.2000 F300.00	
				G01 X18.1400 Y8.2300 F500.00	
				G01 X18.2213 Y8.9860	
				G01 X18.3173 Y8.8754	
Zapišuj:				G01 X18.3826 Y8.7447	
Zapsáno:	0			G01 X18.5785 Y8.5766	

Option

Selection

Image file name C:\Documents and Settings\All Users\Documents\RSView Enterprise\ME\HMI Projects\CNC\Images\excel.bmp
 Pixel dimension 382 x 229
 Format Bitmap
 Type 16777216 color

1.1.3.4.20 Graphics\Parameters

1.1.3.5.20 Graphics\Local Messages

1.1.4 ALARMS

1.1.4.1 Alarms\Alarm Setup

1.1.4.1.1 Triggers

Triggers	Trigger Type	Trigger Label	Use Ack All	Ack All Value	Handshake	Ack	Remote Ack	Remote Ack HandShake	Messages	Messages Notification	Messages HandShake
1 == {[CNCkomunikace]zavora}	Value	Label1	NO	0							
1 == {[CNCkomunikace]Vreteno_ALARM.ACK}	Value	Label2	NO	0							
1 == {[CNCkomunikace]Chyba_prog}	Value	Label3	NO	0							
1 == {[CNCkomunikace]Xpres_ALARM.ACK}	Value	Label4	NO	0							
1 == {[CNCkomunikace]Ypres_ALARM.ACK}	Value	Label5	NO	0							
1 == {[CNCkomunikace]Zpres_ALARM.ACK}	Value	Label6	NO	0							
1== {[CNCkomunikace]XChyba_ALARM.ACK}	Value	Label7	NO	0							
1 == {[CNCkomunikace]YChyba_ALARM.ACK}	Value	Label8	NO	0							
1 == {[CNCkomunikace]ZChyba_ALARM.ACK}	Value	Label9	NO	0							
1 == {[CNCkomunikace]XHome_ALARM.ACK}	Value	Label10	NO	0							
1 == {[CNCkomunikace]YHome_ALARM.ACK}	Value	Label11	NO	0							
1 == {[CNCkomunikace]ZHome_ALARM.ACK}	Value	Label12	NO	0							
1 == {[CNCkomunikace]Chyba_vykonavani_inst_ALARM.ACK}	Value	Label13	NO	0							

1.1.4.1.2 Messages

Triggers	Trigger value	Messages	Display	Audio	Print	Message to Tag	Background	Foreground
1 == {[CNCkomunikace]zavora}	1	Narušení optické závory	YES	NO	NO	NO	#800000	#FFFFFF
1 == {[CNCkomunikace]Vreteno_ALARM.ACK}	1	Porucha vretena	YES	NO	NO	NO	#800000	#FFFFFF
1 == {[CNCkomunikace]Chyba_prog}	1	Nekompatibilní program	YES	NO	NO	NO	#800000	#FFFFFF
1 == {[CNCkomunikace]Xpres_ALARM.ACK}	1	Osa X mimo rozsah	YES	NO	NO	NO	#800000	#FFFFFF
1 == {[CNCkomunikace]Ypres_ALARM.ACK}	1	Osa Y mimo rozsah	YES	NO	NO	NO	#800000	#FFFFFF
1 == {[CNCkomunikace]Zpres_ALARM.ACK}	1	Osa Z mimo rozsah	YES	NO	NO	NO	#800000	#FFFFFF
1== {[CNCkomunikace]XChyba_ALARM.ACK}	1	Porucha osy X	YES	NO	NO	NO	#800000	#FFFFFF
1 == {[CNCkomunikace]YChyba_ALARM.ACK}	1	Porucha osy Y	YES	NO	NO	NO	#800000	#FFFFFF
1 == {[CNCkomunikace]ZChyba_ALARM.ACK}	1	Porucha osy Z	YES	NO	NO	NO	#800000	#FFFFFF
1 == {[CNCkomunikace]XHome_ALARM.ACK}	1	Chyba kalibrace osy X	YES	NO	NO	NO	#800000	#FFFFFF
1 == {[CNCkomunikace]YHome_ALARM.ACK}	1	Chyba kalibrace osy Y	YES	NO	NO	NO	#800000	#FFFFFF
1 == {[CNCkomunikace]ZHome_ALARM.ACK}	1	Chyba kalibrace osy Z	YES	NO	NO	NO	#800000	#FFFFFF
1 == {[CNCkomunikace]Chyba_vykonavani_inst_ALARM.ACK}	1	Chyba vykonavani instrukce	YES	NO	NO	NO	#800000	#FFFFFF
<Unassigned>			YES	NO	NO	NO	#800000	#FFFFFF

1.1.4.1.3 Advanced

Option	Selection
Current alarms	[ALARM]
History Size	128
Hold time (ms)	2000
Maximum update rate (second)	1.00

Option

Selection

Silence
Remote Silence
Remote Ack All
Status Reset
Remote Status Reset
Close Display
Remote Close Display

1.1.4.1.4 Tags used by Component

Tag Name	Tag Type	Tag Description
[CNCkomunikace]Chyba_prog		
[CNCkomunikace]Chyba_vykonavani_inst_ALARM.ACK		
[CNCkomunikace]Vretno_ALARM.ACK		
[CNCkomunikace]XChyba_ALARM.ACK		
[CNCkomunikace]XHome_ALARM.ACK		
[CNCkomunikace]Xpres_ALARM.ACK		
[CNCkomunikace]YChyba_ALARM.ACK		
[CNCkomunikace]YHome_ALARM.ACK		
[CNCkomunikace]Ypres_ALARM.ACK		
[CNCkomunikace]zavora		
[CNCkomunikace]ZChyba_ALARM.ACK		
[CNCkomunikace]ZHome_ALARM.ACK		
[CNCkomunikace]Zpres_ALARM.ACK		

1.1.5 INFORMATION

1.1.5.1 Information\Information Setup

1.1.5.1.1 Setup

<u>Option</u>	<u>Selection</u>
Display file name	[INFORMATION]
Message file name	
Maximum Update Rate	1.00 seconds
Acknowledge hold time	3.00 seconds

1.1.5.1.2 Connection

<u>Name</u>	<u>Tag or expression</u>
Value	
Ack	

1.1.5.1.3 Tags used by Component

<u>Tag Name</u>	<u>Tag Type</u>	<u>Tag Description</u>
-----------------	-----------------	------------------------

1.1.5.2 Information\Information Messages

1.1.6 LOGIC AND CONTROL

1.1.6.1 LogicControl\Macros

1.1.7 DATALOG

1.1.7.1 Datalog\Datalog Models

1.1.8 RECIPEPLUS

1.1.8.1 RecipePlus\RecipePlus Setup

Recipe file location

Recipe Files Stored in: C:\Documents and Settings\All Users\Documents\RSView Enterprise\ME\HMI Projects\CNC\RecipePlus

1.1.8.2 RecipePlus\RecipePlus Editor

1.1.9 DIRECT TAGS

1.1.9.1 Direct Tags\Direct Tags Cross Reference

Shortcut Name	Tag Name	Component Type	Component Name	Object Name
CNCkomunikace	Automatika_ZAP	Displays	posuv	MaintainedPushButton3
CNCkomunikace	Automatika_ZAP	Displays	posuv	Text10
CNCkomunikace	Automatika_ZAP	Displays	Automatika	MaintainedPushButton2
CNCkomunikace	Automatika_ZAP	Displays	Automatika	MomentaryPushButton1
CNCkomunikace	Automatika_ZAP	Displays	Automatika	NumericInputEnable2
CNCkomunikace	Automatika_ZAP	Displays	Automatika	NumericInputEnable4
CNCkomunikace	Automatika_ZAP	Displays	Program	MaintainedPushButton2
CNCkomunikace	Automatika_ZAP	Displays	Program	NumericInputEnable1
CNCkomunikace	Automatika_ZAP	Displays	Program	NumericInputEnable2
CNCkomunikace	Automatika_ZAP	Displays	Program	NumericInputEnable4
CNCkomunikace	Automatika_ZAP	Displays	Program	Text10
CNCkomunikace	Chyba_instrukce	Displays	Program	NumericDisplay1
CNCkomunikace	Chyba_prog	Displays	Program	Group2
CNCkomunikace	Chyba_prog	Alarm Setup	Alarm Setup	
CNCkomunikace	Chyba_vykonavani_inst_ALARM.ACK	Alarm Setup	Alarm Setup	
CNCkomunikace	Kalibrace_OS	Displays	Start	MomentaryPushButton5
CNCkomunikace	Konec_programu	Displays	Automatika	Text11
CNCkomunikace	KONTROLA_programu	Displays	Program	MomentaryPushButton1
CNCkomunikace	Meritko_X	Displays	Automatika	NumericDisplay4
CNCkomunikace	Meritko_X	Displays	Automatika	NumericInputEnable4
CNCkomunikace	Meritko_X	Displays	Automatika	NumericInputEnable5
CNCkomunikace	Meritko_X	Displays	Program	NumericDisplay4
CNCkomunikace	Meritko_X	Displays	Program	NumericInputEnable4
CNCkomunikace	Meritko_Y	Displays	Automatika	NumericDisplay8
CNCkomunikace	Meritko_Y	Displays	Automatika	NumericInputEnable2
CNCkomunikace	Meritko_Y	Displays	Program	NumericDisplay8
CNCkomunikace	Meritko_Y	Displays	Program	NumericInputEnable2
CNCkomunikace	nahlizena_instrukce	Displays	Program	StringDisplay1
CNCkomunikace	offsetX	Displays	posuv	NumericDisplay8
CNCkomunikace	offsetY	Displays	posuv	NumericDisplay9
CNCkomunikace	offsetZ	Displays	posuv	NumericDisplay10
CNCkomunikace	OsaX.ActualPosition	Displays	posuv	NumericDisplay2
CNCkomunikace	OsaX.ActualPosition	Displays	posuv	NumericDisplay3
CNCkomunikace	OsaX.ActualPosition	Displays	posuv	RoundedRectangle1
CNCkomunikace	OsaX.ActualPosition	Displays	Automatika	NumericDisplay2
CNCkomunikace	OsaX.ActualPosition	Displays	Automatika	NumericDisplay3
CNCkomunikace	OsaX.ActualPosition	Displays	Automatika	RoundedRectangle1
CNCkomunikace	OsaX.DriveEnableStatus	Displays	Start	Text5
CNCkomunikace	OsaY.ActualPosition	Displays	posuv	NumericDisplay1
CNCkomunikace	OsaY.ActualPosition	Displays	posuv	NumericDisplay6
CNCkomunikace	OsaY.ActualPosition	Displays	posuv	RoundedRectangle1
CNCkomunikace	OsaY.ActualPosition	Displays	Automatika	NumericDisplay1
CNCkomunikace	OsaY.ActualPosition	Displays	Automatika	NumericDisplay6
CNCkomunikace	OsaY.ActualPosition	Displays	Automatika	RoundedRectangle1
CNCkomunikace	OsaY.DriveEnableStatus	Displays	Start	Text5
CNCkomunikace	OsaZ.ActualPosition	Displays	posuv	NumericDisplay7
CNCkomunikace	OsaZ.ActualPosition	Displays	Automatika	NumericDisplay7
CNCkomunikace	OsaZ.DriveEnableStatus	Displays	Start	Text5
CNCkomunikace	pokracovat_v_prog	Displays	Automatika	MomentaryPushButton3
CNCkomunikace	por_proh_ins	Displays	Program	NumericDisplay2
CNCkomunikace	por_proh_ins	Displays	Program	NumericInputEnable1
CNCkomunikace	por_proh_ins	Displays	Program	RampButton1
CNCkomunikace	por_proh_ins	Displays	Program	RampButton2
CNCkomunikace	Poradi_instrukce	Displays	Automatika	NumericDisplay5
CNCkomunikace	pripraveno	Displays	Start	Group1
CNCkomunikace	probihajici_instrukce	Displays	Automatika	StringDisplay1
CNCkomunikace	Program_OK	Displays	Program	Group1
CNCkomunikace	Programovani	Displays	Automatika	MaintainedPushButton2
CNCkomunikace	Programovani	Displays	Automatika	Text9
CNCkomunikace	Programovani	Displays	Program	MaintainedPushButton2
CNCkomunikace	Programovani	Displays	Program	MomentaryPushButton1
CNCkomunikace	Programovani	Displays	Program	Text1
CNCkomunikace	Reset_AUTOMATIKA	Displays	Automatika	MomentaryPushButton1
CNCkomunikace	Reset_OS	Displays	posuv	MomentaryPushButton4
CNCkomunikace	Reset_OS	Displays	Start	MomentaryPushButton4
CNCkomunikace	RUCNI_pohyb	Displays	posuv	MaintainedPushButton3
CNCkomunikace	RUCNI_pohyb	Displays	Automatika	MaintainedPushButton2
CNCkomunikace	RUCNI_pohyb	Displays	Automatika	Text9
CNCkomunikace	STAV	Displays	Automatika	MomentaryPushButton3
CNCkomunikace	STOP_Program	Displays	Automatika	MaintainedPushButton3
CNCkomunikace	Vreteno	Displays	Automatika	RoundedRectangle1
CNCkomunikace	Vreteno	Displays	Automatika	Text10
CNCkomunikace	Vreteno_ALARM.ACK	Alarm Setup	Alarm Setup	
CNCkomunikace	Vypnuti_OS	Displays	posuv	MomentaryPushButton1
CNCkomunikace	Vypnuti_OS	Displays	Start	MomentaryPushButton2
CNCkomunikace	X_SOT.MASR.DN	Displays	Start	Text4
CNCkomunikace	XChyba_ALARM.ACK	Alarm Setup	Alarm Setup	
CNCkomunikace	XHome_ALARM.ACK	Alarm Setup	Alarm Setup	
CNCkomunikace	xJOGminus	Displays	posuv	MomentaryPushButton6
CNCkomunikace	xJOGplus	Displays	posuv	MomentaryPushButton5
CNCkomunikace	Xpres_ALARM.ACK	Alarm Setup	Alarm Setup	
CNCkomunikace	Y_SOT.MASR.DN	Displays	Start	Text4
CNCkomunikace	YChyba_ALARM.ACK	Alarm Setup	Alarm Setup	
CNCkomunikace	YHome_ALARM.ACK	Alarm Setup	Alarm Setup	
CNCkomunikace	yJOGminus	Displays	posuv	MomentaryPushButton8
CNCkomunikace	yJOGplus	Displays	posuv	MomentaryPushButton7
CNCkomunikace	Ypres_ALARM.ACK	Alarm Setup	Alarm Setup	
CNCkomunikace	Z_SOT.MASR.DN	Displays	Start	Text4
CNCkomunikace	Zapis_offset	Displays	posuv	MomentaryPushButton2
CNCkomunikace	Zapnuti_os	Displays	posuv	MomentaryPushButton3
CNCkomunikace	Zapnuti_os	Displays	Start	MomentaryPushButton3
CNCkomunikace	zavora	Alarm Setup	Alarm Setup	

<u>Shortcut Name</u>	<u>Tag Name</u>	<u>Component Type</u>	<u>Component Name</u>	<u>Object Name</u>
CNCkomunikace	ZChyba_ALARM.ACK	Alarm Setup	Alarm Setup	
CNCkomunikace	ZHome_ALARM.ACK	Alarm Setup	Alarm Setup	
CNCkomunikace	zJOGminus	Displays	posuv	MomentaryPushButton10
CNCkomunikace	zJOGplus	Displays	posuv	MomentaryPushButton9
CNCkomunikace	zkalibrovano	Displays	Start	MomentaryPushButton5
CNCkomunikace	zkalibrovano	Displays	Start	Text6
CNCkomunikace	Zpres_ALARM.ACK	Alarm Setup	Alarm Setup	

1.2 RSLINX ENTERPRISE

1.2.1 Properties

<u>Primary Server</u>	<u>Server Type</u>
localhost	RSLinxEnterprise.OPCServer.1

1.2.2 Device Shortcuts

<u>Shortcut Name</u>	<u>Local Device</u>	<u>Target Device</u>
CNCkomunikace	1756-A7/A 2.Controler1	1756-A7/A 2.Controler1