

CNC

FACTORYTALK VIEW APPLICATION DOCUMENTATION

May 11, 2012

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# 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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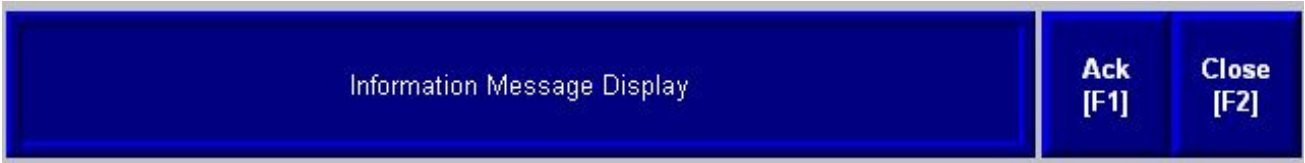
# 1.1 CNC

<b><u>Properties</u></b>	<b><u>Value</u></b>
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 GRAPHICS

1.1.1.1 Graphics\Displays

1.1.1.1.1 Graphics\Displays\[INFORMATION]



1.1.1.1.1.1 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

1.1.1.1.1.2 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

1.1.1.1.1.3 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

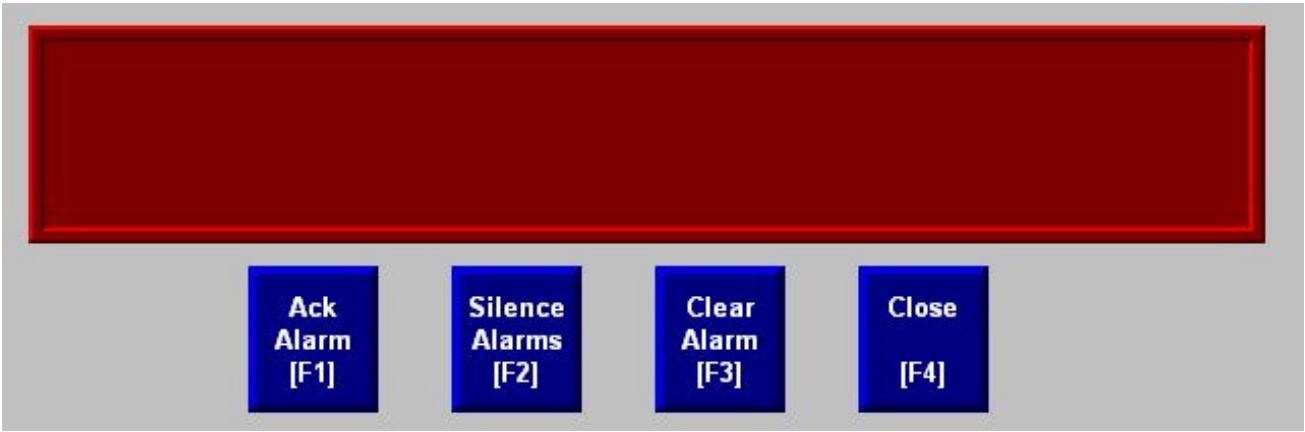
1.1.1.1.1.4 Object Properties

Object Name	Grouping	X	Y
InformationMessageDisplay		2	5

1.1.1.1.1.5 Tags used by Component

Tag Name	Tag Type	Tag Description
----------	----------	-----------------

1.1.1.1.2 Graphics\Displays\[ALARM]



1.1.1.1.2.1 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

1.1.1.1.2.2 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

1.1.1.1.2.3 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

1.1.1.1.2.4 Object Properties

Object Name	Grouping	X	Y
AlarmBanner1	13	11	

1.1.1.1.2.5 Tags used by Component

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



1.1.1.1.3.1 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

1.1.1.1.3.2 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

1.1.1.1.3.3 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

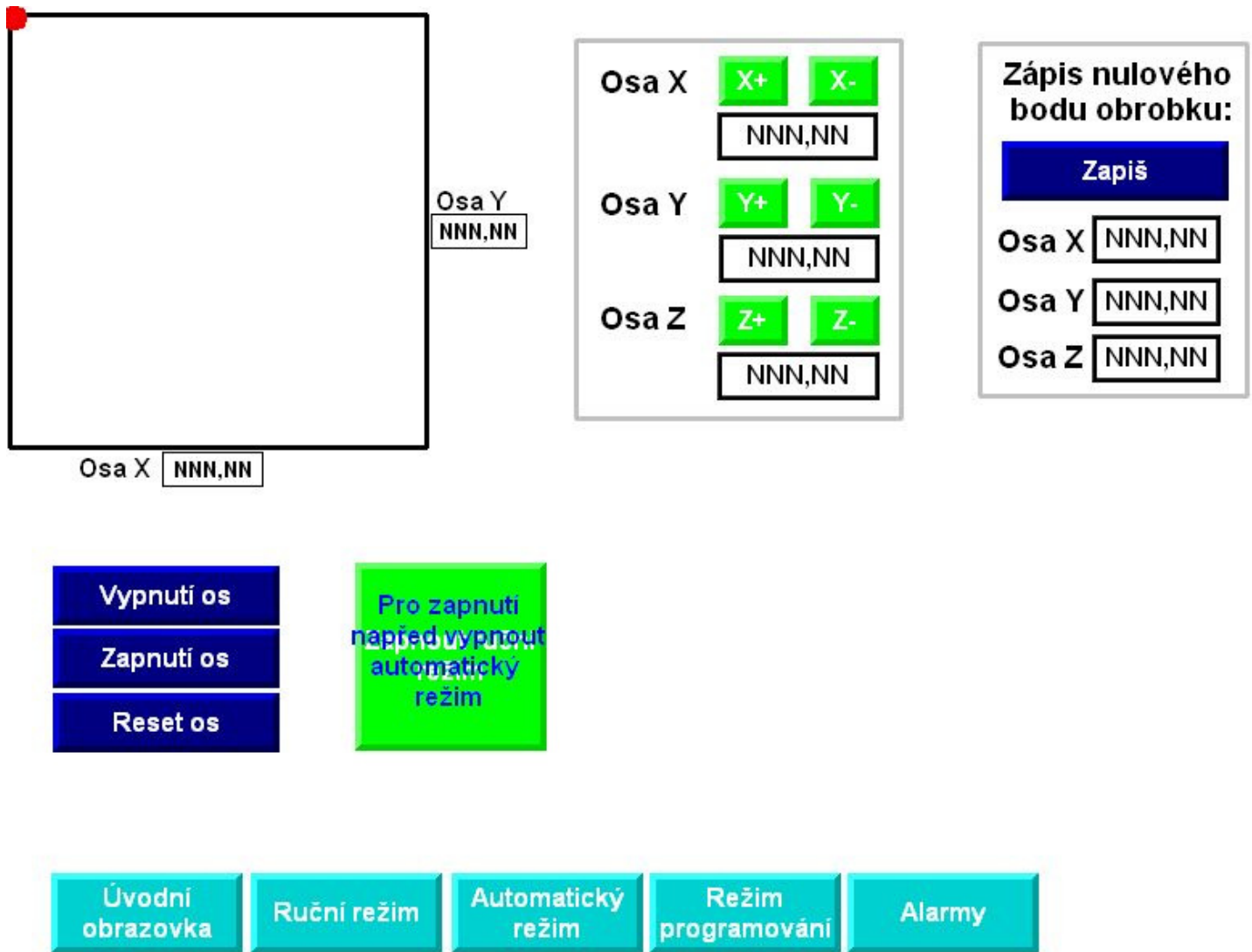
1.1.1.1.3.4 Object Properties

Object Name	Grouping	X	Y
DiagnosticsList		5	5

1.1.1.1.3.5 Tags used by Component

Tag Name	Tag Type	Tag Description
----------	----------	-----------------

#### 1.1.1.1.4 Graphics\Displays\posuv



##### 1.1.1.1.4.1 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

##### 1.1.1.1.4.2 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

##### 1.1.1.1.4.3 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

1.1.1.1.4.4 Object Properties

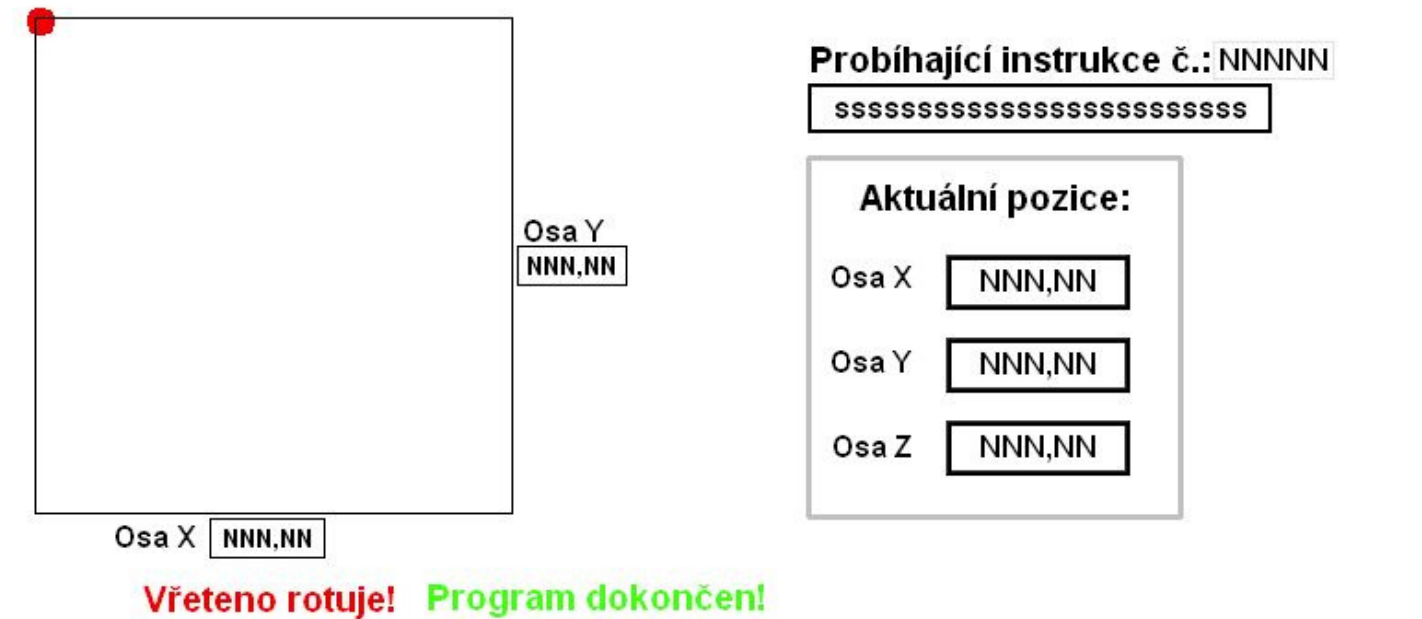
Object Name	Grouping	X	Y
GotoDisplayButton5	28	539	
GotoDisplayButton4	523	539	
GotoDisplayButton3	400	539	
GotoDisplayButton2	277	539	
GotoDisplayButton1	152	539	
Text9	620	31	
Polygon5	604	22	
Text8	616	207	
Text7	616	172	
Text6	616	135	
Text5	369	183	
Text4	369	112	
Text3	369	36	
Text2	267	112	
Text1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

1.1.1.1.4.5 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		



### 1.1.1.1.5 Graphics\Displays\Automatika



#### 1.1.1.1.5.1 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

#### 1.1.1.1.5.2 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

#### 1.1.1.1.5.3 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

### 1.1.1.1.5.4 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	.

### 1.1.1.1.5.5 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		

### 1.1.1.1.6 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	



### 1.1.1.1.6.1 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

### 1.1.1.1.6.2 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

### 1.1.1.1.6.3 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}

1.1.1.1.6.4 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

1.1.1.1.6.5 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		

### 1.1.1.1.7 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.)	
Náčteno 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  
programovací  
režim

Úvodní obrazovka Ruční režim Automatický režim Režim programování Alarmy

#### 1.1.1.1.7.1 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

#### 1.1.1.1.7.2 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

#### 1.1.1.1.7.3 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}

1.1.1.1.7.4 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

1.1.1.1.7.5 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		

## 1.1.2 ALARMS

### 1.1.2.1 Alarms\Alarm Setup

#### 1.1.2.1.1 Triggers

<u>Triggers</u>	<u>Trigger Type</u>	<u>Trigger Label</u>	<u>Use Ack All</u>	<u>Ack All Value</u>	<u>Handshake</u>	<u>Ack</u>	<u>Remote Ack</u>	<u>Remote Ack HandShake</u>	<u>Messages</u>	<u>Messages Notification</u>	<u>Messages HandShake</u>
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							

#### 1.1.2.1.2 Messages

<u>Triggers</u>	<u>Trigger value</u>	<u>Messages</u>	<u>Display</u>	<u>Audio</u>	<u>Print</u>	<u>Message to Tag</u>	<u>Background</u>	<u>Foreground</u>
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

#### 1.1.2.1.3 Advanced

<u>Option</u>	<u>Selection</u>
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

1.1.2.1.4 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		



## 1.2 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