



INSTRUMENTATION SWITCH CHECKLIST

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			P	roject							
Facility:			Project Name:								
Area :			Bid Opportunity:								
			Ins	trument							
Tag:		Descript	ion:								
Manufacturer	:	Model:				Serial Numb	er:				
<u> </u>			Inspecti	ion Check	list						
No. Item to	be Inspected						Comm	ents			Pass (P/F)
1. Instrum	ent type and class per P&ID a	and speci	fication								
2. Instrum	ent tag(s) installed and correc	ct									
3. Installat	tion of sensor complete and c	orrect			_						
4. Block and drain valves											
Pneumatic / hydraulic tubing leak tested											
6. Heat tracing / insulation / instrument housing											
7. Wiring correct											
8. Drawing	gs marked up as-built										
9. HMI Gra	aphic symbol and tag correct										
			State	Checklis	t						
State State	e Desc		PLC Input	Local HI	мі	SCADA		Ala	Alarm		Pass (P/F)
0								On 🗌 Of	ff \square	1 / A	
1								On 🗌 Of	ff D	I/A	
									'		
<u> </u>	Cotrolint Trin Daint	<u> </u>		libration	1	Catacint			Actual		Bass
Transition	Setpoint Trip Point (incl. units)		Actual Trip Po (incl. units)	oinτ		Setpoint Time Delay		Ti	Actual ime Delay		Pass (P/F)
0 → 1											
1 → 0	_										
Comments:											
00											
	Campanii	Name			Cianat				Data (vanad)	/d	-1\
<u> </u>	Company	Name			Signat	ure			Date (yyyy/	mm/a	<u>a)</u>
Tested By											
Witnessed B	s										





INSTRUMENTATION TRANSMITTER LOOP CHECKLIST

Page

		Project					
Facility:		Project Name:	Project Name:				
Area :		Bid Opportunity:					
		Land 100 and 1	F1	Δ.			
	1	Instrument (Sensor /	Elemen	1)			
Tag:	otion:						
Manufacturer:	Model:			Serial Number:			
		Transmitter					
Tag:	Descrip						
Manufacturer:	Model:			Serial Number:			
ivianulacturer.			Serial Number.				
Units:	Design Range:	-					
Output 4-20 mA Modl		☐ Other:					
		Inspection Chec	klist				
No. Item to be Inspected				Comments	Pass (P/F)		
Instrument type and class per P&ID	and spec	cification					
2. Instrument tag(s) installed and corre	ect						
3. Installation of sensor complete and	correct						
4. Block and drain valves							
5. Pneumatic / hydraulic tubing leak tested							
6. Heat tracing / insulation / instrument housing							
7. Impulse lines pressure tested							
8. Wiring correct							
9. Drawings marked up as-built							
10. HMI Graphic symbol, tag and units	correct						





INSTRUMENTATION TRANSMITTER LOOP CHECKLIST

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		Signal Validation			
Input Signal	Location	Design Value	Actual Value	Error (%)	Pass (P/F)
	Transmitter Display				
	Transmitter Output				
	Process Display				
	PLC				
	НМІ				
	Transmitter Display				
	Transmitter Output				
	Process Display				
	PLC				
	НМІ				
	Transmitter Display				
	Transmitter Output				
	Process Display				
	PLC				
	нмі				

Notes:

Comments:

Witnessed By

- 1.
- Attach factory calbration forms for all instruments where provided and/or specified. Provide instrument parameters for each parameter changed from the factory default.

	Company	Name	Signature	Date (yyyy/mm/dd)
Tested By				





MODULATING CONTROL DEVICE CHECKLIST

Page

L						l l			
			Project						
Facility:		Р	Project Name:						
Area :		В	Bid Opportunity:						
		•	Control Devic	•					
Toge		Description		e					
Tag:			лі.		-				
Manufacturer:		Model:			Serial Number:				
			Inspection Chec	klist					
No. Item to be	Inspected				Comments	1	Pass (P/F)		
Actuator ty	pe and class per P&ID and	d specifica	ition						
Instrument tag(s) installed and correct									
3. Installation									
4. Wiring correct									
5. Drawings marked up as-built									
6. HMI graphic symbol, tag and units correct									
			Control Validati	ion					
Control Output	Location		Design Value)	Actual Value	Error (%)	Pass (P/F)		
201	PLC Output								
0%	Field Device								
50%	PLC Output								
30 /6	Field Device	!							
100%	PLC Output								
10070	Field Device	!							
Notes: 1. A 2. P	ttach factory calbration forr rovide instrument paramet	ms for all ir ers for eac	nstruments where provid th parameter changed fro	ed and/ om the f	or specified. actory default.				
Comments.									
	Company	Name		Signa	ture	Date (yyyy/mm	ı/dd)		
Tested By									
Witnessed By									
P	•			•		•			



Witnessed By



PID CONTROLLER CHECKLIST

Page

		Project						
Facility:	Project Nam							
Area :		d Opportunity:						
Alea .	Вій Оррогій	Tilly.						
	C	ontroller Loop						
Tag:	Description:							
	Т	est Checklist						
No. Item to be Inspected		Co	Pass (P/F)					
Startup Test								
2. Input signal positive bump	test							
3. Input signal negative bum	ip test							
4. Bumpless auto-manual co	ontrol transition							
4. Manual output capability								
5. Bumpless manual-auto co	ontrol transition							
6. HMI graphic symbols, tag	and units correct							
7. HMI equipment faceplate	correct							
	Final I	PID Tuning Values						
P :	1:		D:					
Notes: 1. Attach printouts of	of trends for varous tests, with fir	al PID tuning values.						
Comments:								
Company	Name	Signature	Date (yyyy/mm/dd)					
Tested By			,					





PLC DISCRETE INPUT CHECKLIST

Page

				T	Project								
Facility	" :				t Name:								
Area :				Bid Op	portunity:								
					PLC								
PLC ID) :		Description:										
Rack:			Slot:										
		<u> </u>				1		1					
Pt	Tag	Descr	iption	State	State Desc.	PLC Input	Local HMI	SCADA	Alarm		Pass (P/F)		
				0					☐ On ☐ Off	- □ N/A			
				1					☐ On ☐ Off				
				0					☐ On ☐ Off	- □ N/A			
				1					☐ On ☐ Off				
				0					☐ On ☐ Off	- □ N/A			
				1					☐ On ☐ Off				
				0					☐ On ☐ Off	- □ N/A			
				1					☐ On ☐ Off	. Ц МА			
				0					☐ On ☐ Off	- □ N/A			
				1					☐ On ☐ Off	. ⊔ IV/A			
				0					☐ On ☐ Off	- □ N/A			
				1					☐ On ☐ Off	. ⊔ IV/A			
				0					☐ On ☐ Off	- □ N/A			
				1					☐ On ☐ Off	. Ц IV/А			
				0					☐ On ☐ Off	- □ N/A			
				1					☐ On ☐ Off	. ⊔ IV/A			
				0					☐ On ☐ Off	- □ N/A			
				1					☐ On ☐ Off	. ⊔ IV/A			
				0					☐ On ☐ Off	- □ N/A			
				1					☐ On ☐ Off	. _Ш м/д			
				0					☐ On ☐ Off	- □ N/A			
				1					☐ On ☐ Off	. _Ш IN/A			
				0					☐ On ☐ Off				
				1					☐ On ☐ Off	- □ N/A			

Winnipeg	\$NC·LAVALIN	P	LC DISCRETE IN	NPUT	CHECK	LIST	F	Page 2 of	2
		0					□ On □ C	off	
		1					□ On □ C	□ N/A	
		0					□ On □ C	off N/A	
		1					□ On □ C		
		0					□ On □ O	off N/A	
		1					□ On □ O		
		0					□ On □ O	off N/A	
		1					□ On □ O		
Comments:									

	Company	Name	Signature	Date (yyyy/mm/dd)
Tested By				
Witnessed By				





PLC DISCRETE OUTPUT CHECKLIST

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					Project			
Facility	:			Project Na	me:			
Area :				Bid Oppor	tunity:			
					Project Name: Bid Opportunity:			
PLC ID):		Description	n:				
Rack: Slot:								
Pt	Tag	Descr	ription	State	State Desc.	PLC Output	Field Device	Pass (P/F)
				0				
				1				
				0				
				1				
				0				
				1				
				0				
				1				_
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				1				
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				1				
				0				
				1				
				0				

Winnipeg SNC·LAVALIN		LIN	PL(C DISCRETE OUTPUT CHE	Page 2 of	Page 2 of 2	
			0				
			1				
			0				
			1				
			0				
			1				
			0				
			1				
Comments:							

	Company	Name	Signature	Date (yyyy/mm/dd)
Tested By				
Witnessed By				