Appendix 1.1. Supplier Statement

Supplier name	3S-Smart Software Solutions GmbH
Supplier address	Memminger Straße 151
City	87439 Kempten
Country	Germany
Phone	+49-831-54031-0
Fax	+49-831-54031-50
Website	www.codesys.com
Product name	CODESYS Safety
Product version	1.x
Release date	21.10.2012
Certified by	TÜV Rheinland Industrie Service GmbH

I hereby state that the following tables as filled out and submitted correspond to our product and the accompanying user manual, as stated above.

Name of representative: Dr. (MUN) Ulf Schünemann

Date of signature (dd/mm/yyyy): 28/01/2013

Signature:

Supported Functions and FBs – Extended Level	Supported	Comments (< 48 Words)
AND	X	Extendable
OR	X	Extendable
XOR	X	
NOT	X	
ADD	X	Extendable
MUL	X	Extendable
SUB	X	
DIV	X	
GT, GE, EQ, LE, LT, NE	X	Specify which: GT, GE, EQ, LE, LT, NE
Selection functions	X	Specify which: SEL, MUX* * runtime error if selection value out of range
Type conversion functions	X	Specify which: implicit SAFE-XXX to nonsafe-XXX, 'BOOL_TO_INT', 'INT_TO_BOOL', 'BOOL_TO_DINT', 'DINT_TO_BOOL', 'BOOL_TO_TIME', 'TIME_TO_BOOL', 'BOOL_TO_WORD', 'WORD_TO_BOOL', 'INT_TO_DINT', 'DINT_TO_INT'*, 'INT_TO_TIME'*, 'TIME_TO_INT'*, 'INT_TO_WORD', 'WORD_TO_INT', 'DINT_TO_TIME'*, 'TIME_TO_DINT'*, 'DINT_TO_WORD'*, 'WORD_TO_DINT', 'TIME_TO_WORD'*, 'WORD_TO_TIME', 'BYTE_TO_INT', 'INT_TO_BYTE'*, 'BYTE_TO_DINT', 'DINT_TO_BYTE'*, 'BYTE_TO_TIME', 'TIME_TO_BYTE'*, 'BYTE_TO_WORD', 'WORD_TO_BYTE'*, 'INT_TO_DWORD', 'DWORD_TO_DINT', 'DINT_TO_DWORD', 'DWORD_TO_TIME', 'TIME_TO_DWORD', 'WORD_TO_DWORD' * runtime error if source value is not in target type
Time functions	X	Specify which: ADD, MUL, SUB, DIV
TON	X	Name: SF_TON (acc. to PLCopen Safety Appendix 0.94)
TOF	X	Name: SF_TOF (acc. to PLCopen Safety Appendix 0.94)
TP	X	Name: SF_TP (acc. to PLCopen Safety Appendix 0.94)
CTU	X	Name: SF_CTU (acc. to PLCopen Safety Appendix 0.94)
CTD	X	Name: SF_CTD (acc. to PLCopen Safety Appendix 0.94)
CTUD	X	Name: SF_CTUD (acc. to PLCopen Safety Appendix 0.94)
Bistable FBs	X	Specify which: SF_SR, SF_RS (acc. to PLCopen Safety Appendix 0.94)
Edge detection	X	Specify which: SF_R_TRIG, SF_F_TRIG (acc. to PLCopen Safety Appendix 0.94)
Others?	-	Specify which

Table 5: Supported Functions and Function Blocks at Extended Level

Appendix 1.3. Overview of the supported Function Blocks

Function Blocks	Supported	Comments (<= 48 Characters)
SF_Equivalent	X	

SF_Antivalent	X	
SF_ModeSelector	X	
SF_EmergencyStop	X	
SF_ESPE	X	
SF_SafeStop1	-	
SF_SafeStop2	-	
SF_SafetyGuardMonitoring	X	Name: SF_GuardMonitoring (acc. to PLCopen Safety Part 1, V1.0)
SF_SafelyLimitedSpeed	-	
SF_TwoHandControlTypeII	X	
SF_TwoHandControlTypeIII	X	
SF_GuardLocking	X	
SF_TestableSafetySensor	X	
SF_MutingSeq	X	
SF_MutingPar	X	
SF_MutingPar_2Sensors	X	
SF_EnableSwitch	X	
SF_SafetyRequest	X	
SF_OutControl	X	
SF_EDM	X	

Table 6: Overview of the function blocks