

# MODULE “FAULT FINDING HARDWARE”

## SKILL 19 – INDUSTRIAL CONTROL

Competitor: \_\_\_\_\_

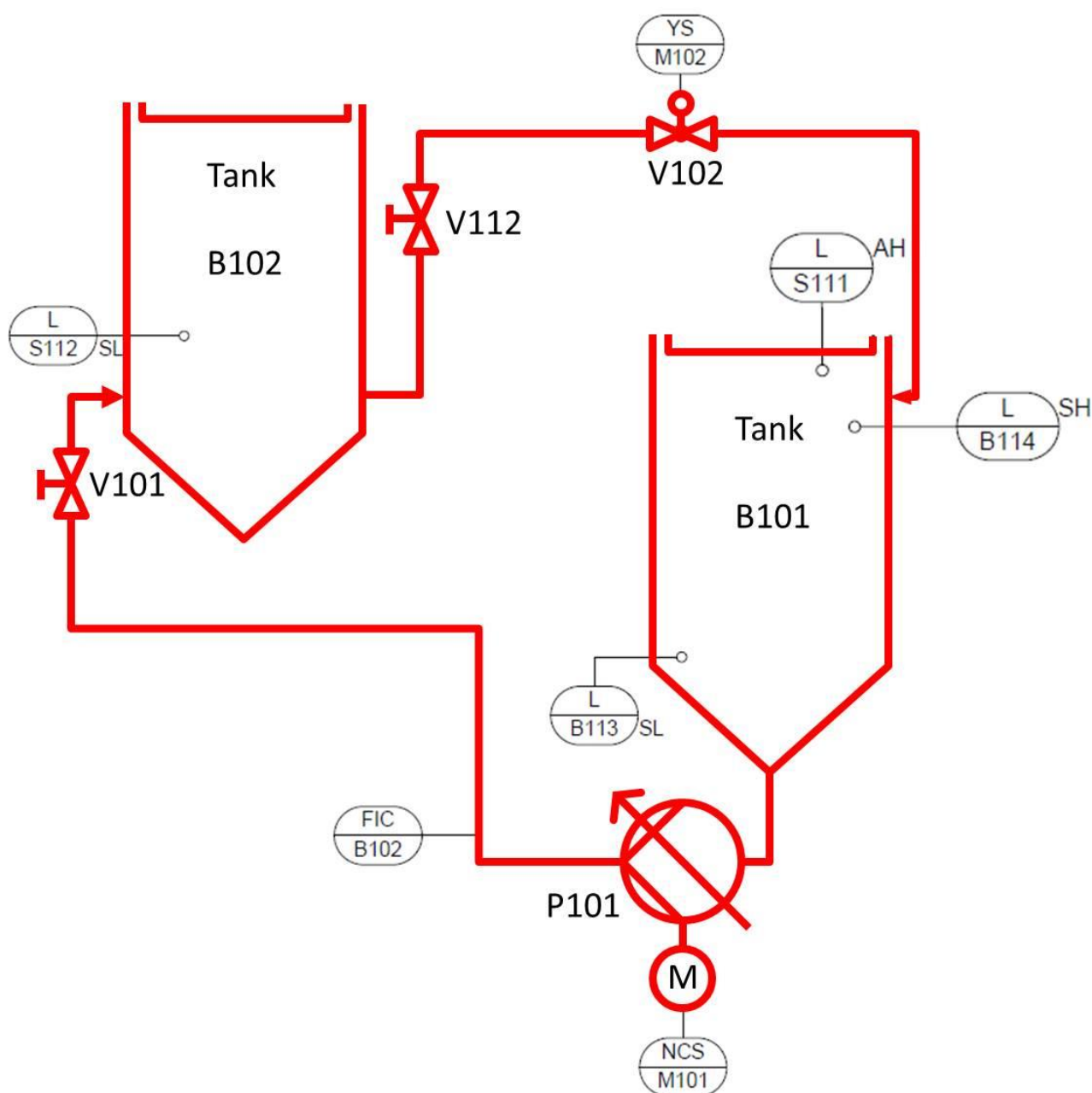
Country Code: \_\_\_\_\_

Country Code Experts: \_\_\_\_\_

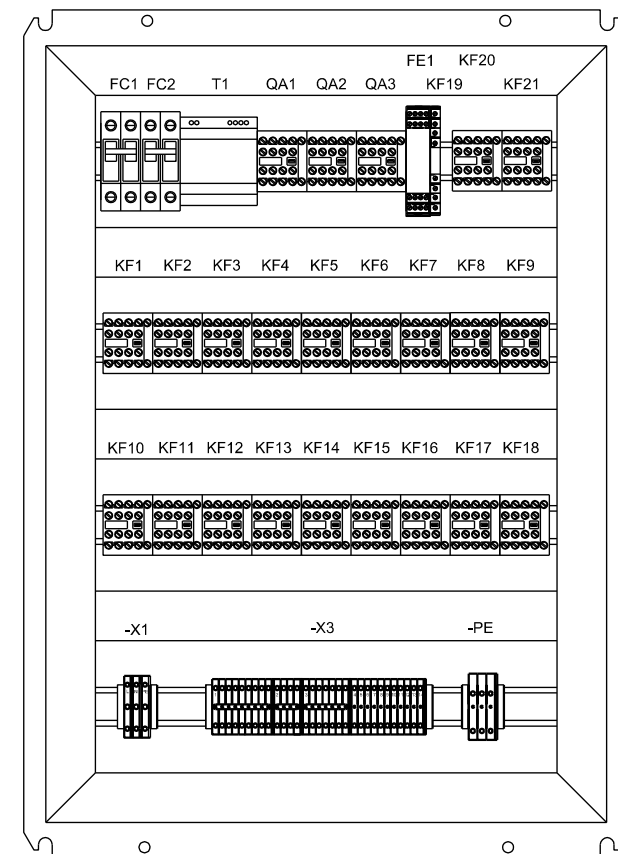
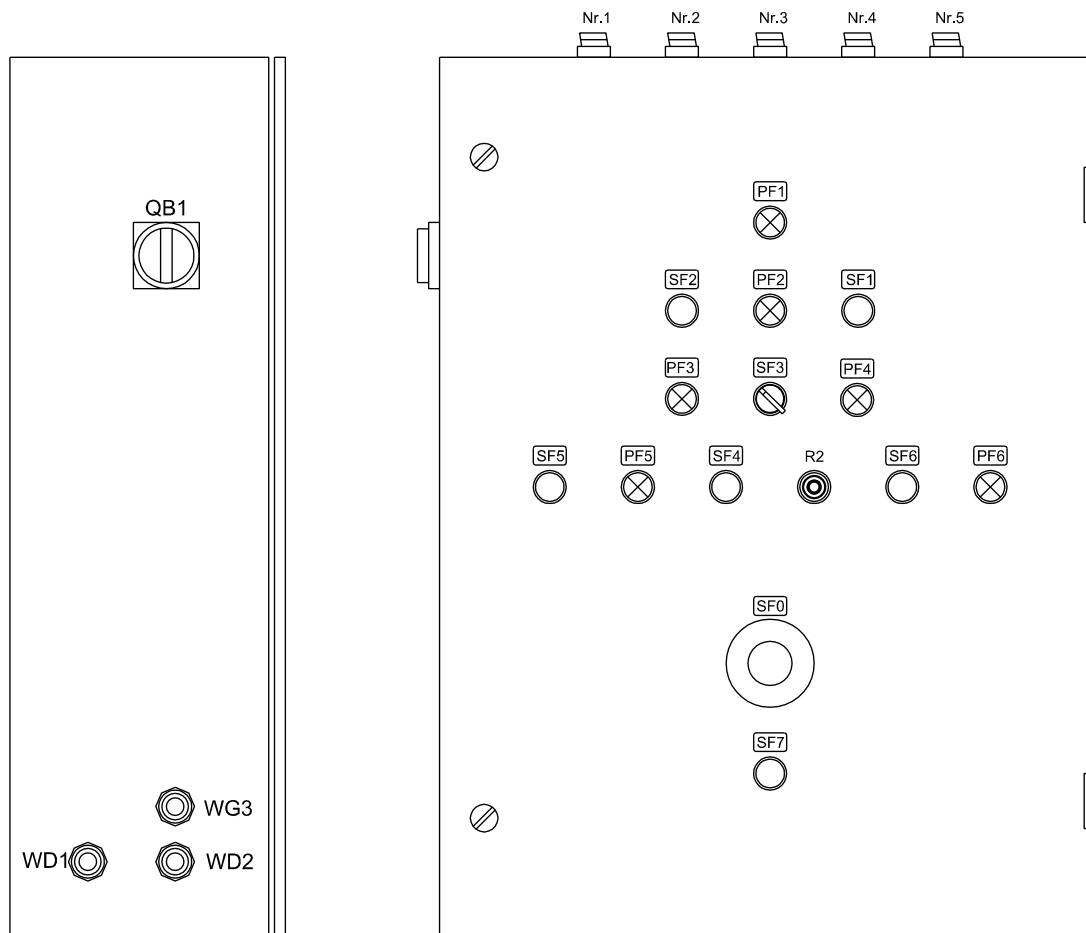
## MPS® PA COMPACT WORKSTATION WITH LEVEL, FLOW RATE, PRESSURE AND TEMPERATURE CONTROLLED SYSTEMS.



## REPRESENTATION OF SYSTEM







WD1 - cable for power supply  
WD2 - cable control box - MPS-PA workstation  
WG3 - cable control box - MPS-PA workstation

SF0 (red) - Emergency Stop  
SF1 (red) - System OFF  
SF2 (green) - System ON  
SF3 (black) - Switch MAN/AUTO  
SF4 (red) - Pump OFF  
SF5 (black) - Pump ON  
SF6 (black) - Valve OPEN  
SF7 (black) - Reset

PF1 (red) - Error  
PF2 (green) - System ON  
PF3 (Yellow) - Manual Mode  
PF4 (green) - Automatic Mode  
PF5 (green) - Pump ON  
PF6 (green) - Valve OPEN

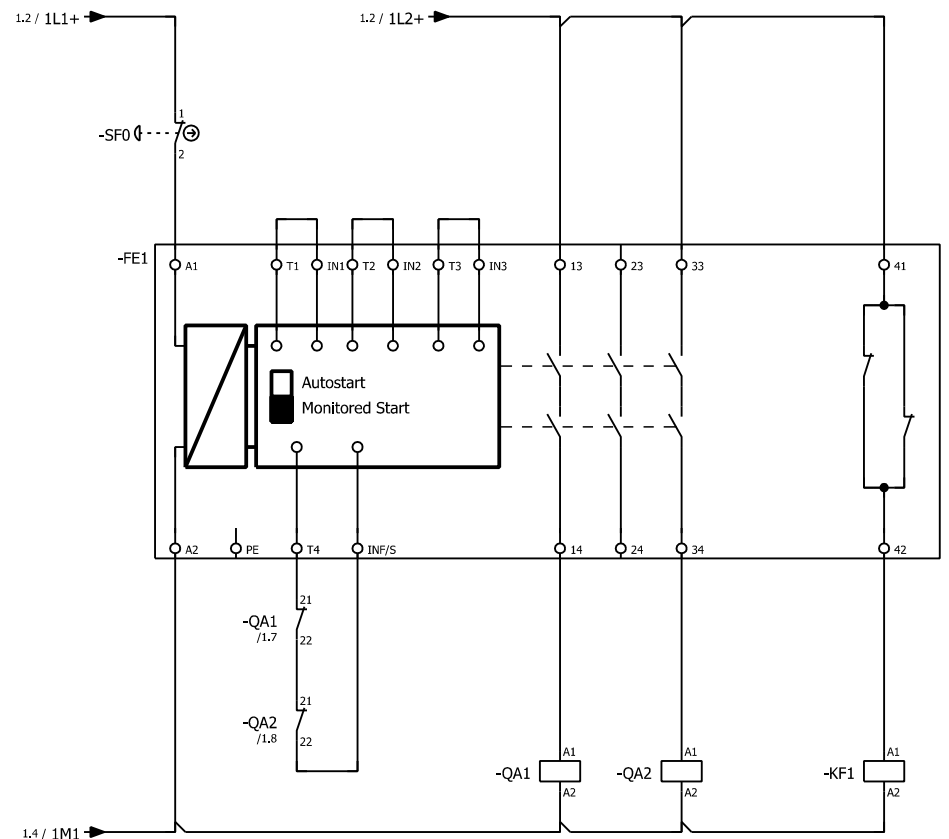
R2 (Poti) - Speed Pump

Switch Nr.1 to Nr.5 - Switch with NO and NC contact for the faults

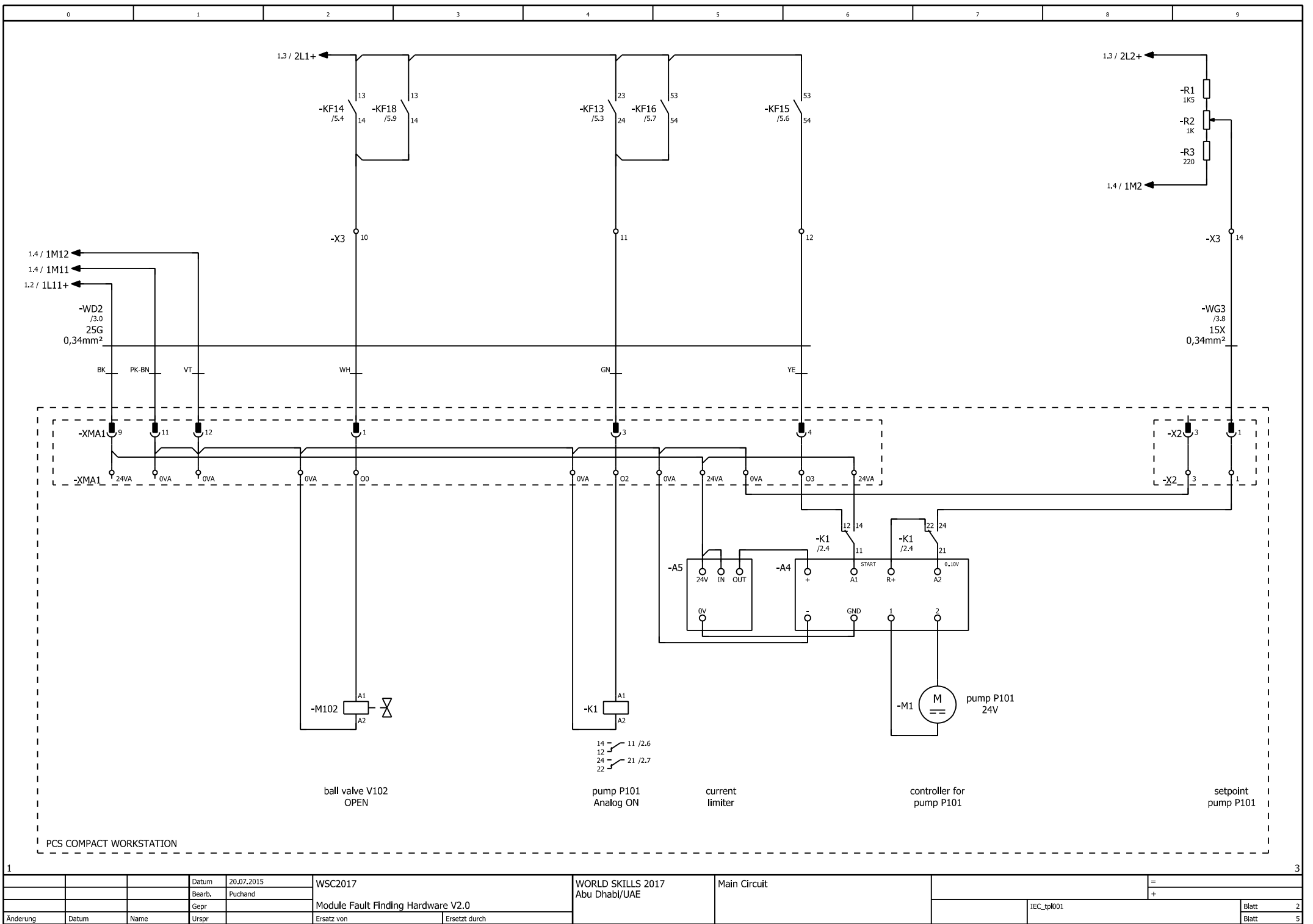
Test Project for the 44<sup>th</sup> WorldSkills  
Competition in Abu Dhabi, United Arab Emirates 2017.  
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Skill: Industrial Control 19		
Scale: X:Y	Date: 20.04.2016	Paper: A3
Drawn / Design by: Andreas Puchner		Drawing No: WSC2017_TP19_AT_04_05_EN_A3
Description: Faultfinding hardware		Rev: 2.0
Control box		Page: 5 of 10



## Emergency Stop Relais



1		20.07.2015		WSC2017		WORLD SKILLS 2017		Main Circuit		=	
Bearb.		Puchand		Module Fault Finding Hardware V2.0		Abu Dhabi/UAE				+	
Gepr										IEC_tp001	
Änderung		Datum		Name		Urspr		Ersatz von		Ersetzt durch	
										Blatt	
										Blatt	





