

Acronyms for APR1400 I&C Design

Acronym	Full Name
AFAS	Auxiliary Feedwater Actuation Signal
AMI	Accident Monitoring Indication
APC	Auxiliary Process Cabinet
APC-S	Auxiliary Process Cabinet – Safety
BDBE	Beyond Design Basis Event
BP	Bistable Processor
BTP	Branch Technical Position
CCD	Code Cut-off Date
CCF	Common Cause Failure
CCG	Control Channel Gateway
CCP	Cross Channel Processor
CEA	Control Element Assembly
CEAC	Control Element Assembly Calculator
CEAP	CEA Processor
CFR	Code of Federal Regulations
CIM	Component Interface Module
CM	Communication Module
CMOS	Complementary Metal Oxide Semiconductor
COD	Commercial Operation Date
COPP	COre Protection Processor
CPC	Core Protection Calculator
CPCS	Core Protection Calculator System
CPM	Control Panel Multiplexer
CRC	Cyclic Redundancy Check
CWP	Circulating Water Pump
DAS	Diverse Actual system
DBE	Design Basis Event
DC	Direct Current
DCS	Distributed Control System
DD	Detail Design
DI	Digital Input
DIS	Diverse Indication System,
DMA	Diverse Manual Actuation
DNBR	Departure from Nucleate Boiling Ratio
DOOSAN	Doosan Heavy Industries & Construction Co., Ltd
DPS	Diverse Protection System
DRCS	Digital Rod Control System

Acronym	Full Name
E-CCS	ESF-CCS
EMI	Electromagnetic Interference
ENFMS	Ex-core Neutron Flux Monitoring System
EO	Electrical Operator
ESCM	ESF-CCS Soft Control Module
ESF	Engineered Safety Features
ESFAS	Engineered Safety Feature Actuation System
ESF-CCS	ESF-Component Control System
FIDAS	Fixed In-core Detector Amplifier System
FMEA	Failure Modes and Effects Analysis
FPD	Flat Panel Display
FPGA	Field Programmable Gate Array
GC	Group Controller
GDC	General Design Criteria (of 10CFR50, App. A)
HSL	High Speed Link
ICI	In-Core Instrumentation
IEEE	Institute of Electrical and Electronics Engineers
I-FPD	Information FPD
IPS	Information Processing System
ITA	Important to Availability
ITP	Interface and test processor
ITS	Important to Safety
LC	Loop Controller
LCL	Local Coincidence Logic
LDP	Large Display Panel
LPD	Local Power Density
MCR	Main Control Room
MG	Motor-Generator
MI	Minimum Inventory
MMIS	Man-Machine Interface System
MTP	Maintenance Test Panel
NIMS	NSSS Integrity Monitoring System
NPCS	NSSS Process Control System
NPP	Nuclear Power Plant
NSSS	Nuclear Steam Supply System
OM	Operator Module
P-CCS	Process-Component Control System
PCS	Power Control System
PI	Platform Independent

Acronym	Full Name
PLC	Programmable Logic Controller
PM	Processor Module
POSAFE-Q	Platform Name
POSRV	Pilot Operated Safety Relief Valve
PPS	Plant Protection System
PZR	Pressurizer
QIAS-N	Qualified Indication and Alarm System - Non-safety
QIAS-P	Qualified Indication and Alarm System - Post accident monitoring
QIAS-P/N	Qualified Indication & Alarm System - PAMI / Non-safety
RCOPS	Reactor COre Protection System
RCP	Reactor Coolant Pump
RCP-SSSS	Reactor Coolant Pump Shaft Speed Sensing System
RFI	Radio Frequency Interference
RO	Reactor Operator
RPS	Reactor Protection System
RSPT	Reed Switch Position Transmitter
RSR	Remote Shutdown Room
RTSG	Reactor Trip Switchgear
RTSS	Reactor Trip Switchgear System
SDA	Standard Design Approval (KINS)
SG	Steam Generator
SIAS	Safety Injection Actuation Signal
SKN 3&4	Shin-Kori Nuclear Power Plant Units 3&4
SLB/FLB	Steam Line Break/Feed Line Break
SODP	Shutdown Overview Display Panel
SS	Shift Supervisor
STA	Shift Technical Advisor
SW	Switch
TCS	Turbine Control System
TeR	Technical Report
TLOFW	Total Loss of Feedwater
TO	Turbine Operator
ToR	Topical Report
TTL	Transistor Transistor Logic
VBPSS	Vital Bus Power Supply System
WDT	Watchdog Timer
WEC	Westinghouse Electric Company