GSR-XR Software / Firmware Compatibility Matrix

EDCS-676246	4.2	4.1.2	4.1.1	4.1.0	4.0.3	4.0.2	4.0.1	4.0	3.9.3	3.9.2	3.9.1	3.9.0	3.8.3	3.8.2	3.8.1	3.8.0	3.7.1	3.7.0	3.6.1	3.6.0	3.5.4	3.5.3	3.5.2	3.5.1	3.5.0	3.4.3	3.4.2	3.4.1	3.4.0
Engine 3 Asics																													
Radar		08-0424-03	08-0424-03	08-0424-03	08-0424-03	08-0424-03	08-0424-03	08-0424-03	08-0424-03	08-0424-03	08-0424-03	08-0424-03	08-0424-03	08-0424-03	08-0424-03	08-0424-03	08-0424-03	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1
Alpha		08-0437-02	08-0437-02	08-0437-02	08-0437-02	08-0437-02	08-0437-02	08-0437-02	08-0437-02	08-0437-02	08-0437-02	08-0437-02	08-0437-02	08-0437-02	08-0437-02	08-0437-02	08-0437-02	4.02	2.56	2.56	2.54	2.54	2.54	2.54	2.54	2.51	2.51	2.51	2.50
Conga		>08-0434-01 08-0650-02	>08-0434-01 08-0650-02	>08-0434-01 08-0650-02	>08-0434-01 08-0650-02	>08-0434-01 08-0650-02	>08-0434-01 08-0650-02	>08-0434-01 08-0650-02	>08-0434-01 08-0650-02	>08-0434-01 08-0650-02	>08-0434-01 08-0650-02	>08-0434-01 08-0650-02	>08-0434-01 08-0650-02	>08-0434-01 08-0650-02	>08-0434-01 08-0650-02	>08-0434-01 08-0650-02	>08-0434-01 08-0650-02	4.02	3.53	3.53	3.53	3.53	3.53	3.48	3.48	3.47	3.47	3.47	3.47
Gulf		08-0405-03 08-0405-05	08-0405-03 08-0405-05	08-0405-03 08-0405-05	08-0405-03 08-0405-05	08-0405-03 08-0405-05	08-0405-03 08-0405-05	08-0405-03 08-0405-05	08-0405-03 08-0405-05	08-0405-03 08-0405-05	08-0405-03 08-0405-05	08-0405-03 08-0405-05	08-0405-03 08-0405-05	08-0405-03 08-0405-05	08-0405-03 08-0405-05	08-0405-03 08-0405-05	08-0405-03 08-0405-05	8.0	8.0	7.3	7.3	7.3	7.3	6.4	6.4	6.4	6.4	6.4	6.4
Memory		1G	1G	1G	1G	1G	1G	1G	1G	1G	1G	1G	1G	1G	1G	1G	1G												
Flash																> 7													
Engine 3 Line Card																													
ROMMON	19	19	19	19	19	19	19	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1
MBUS Agent RAM	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.6	4.5	4.5	4.5	4.5	4.4	4.4	4.02	2.56	2.56	2.54	2.54	2.54	2.54	2.54	2.51	2.51	2.51	2.50
MBUS Agent ROM	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.6	4.5	4.5	4.5	4.5	4.4	4.4	4.02	3.53	3.53	3.53	3.53	3.53	3.48	3.48	3.47	3.47	3.47	3.47
Fabric Downloader	10.1	10.1	10.1	10.1	10.1	10.1	8	8	10	8	8	8	8	8	8.0	8.0	8.0	8.0	8.0	7.3	7.3	7.3	7.3	6.4	6.4	6.4	6.4	6.4	6.4
Engine 5 Asics																													
Piranha		08-0638-02	08-0638-02	08-0638-02	08-0638-02	08-0638-02	08-0638-02	08-0638-02	08-0638-02	08-0638-02	08-0638-02	08-0638-02	08-0638-02	08-0638-02	08-0638-02	17.1	08-0638-02	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1
Wahoo		08-0639-02 08-0770-07	08-0639-02 08-0770-07	08-0639-02 08-0770-07	08-0639-02 08-0770-07	08-0639-02 08-0770-07	08-0639-02 08-0770-07	08-0639-02 08-0770-07	08-0639-02 08-0770-07	08-0639-02 08-0770-07	08-0639-02 08-0770-07	08-0639-02 08-0770-07	08-0639-02 08-0770-07	08-0639-02 08-0770-07	08-0639-02 08-0770-07	4.02	08-0639-02 08-0770-07	4.02	2.56	2.56	2.54	2.54	2.54	2.54	2.54	2.51	2.51	2.51	2.50
Stingray		08-0731-01	08-0731-01	08-0731-01	08-0731-01	08-0731-01	08-0731-01	08-0731-01	08-0731-01	08-0731-01	08-0731-01	08-0731-01	08-0731-01	08-0731-01	08-0731-01	4.02	08-0731-01	4.02	3.53	3.53	3.53	3.53	3.53	3.48	3.48	3.47	3.47	3.47	3.47
Memory		1G 2G	1G 2G	1G 2G	1G 2G	1G 2G	1G 2G	1G 2G	1G 2G	1G 2G	1G 2G	1G 2G	1G 2G	1G 2G	1G 2G	1G 2G	1G 2G												
Engine 5 Line Card																													
ROMMON	19	19	19	19	19	19	19	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1
MBUS Agent RAM	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.6	4.5	4.5	4.5	4.5	4.4	4.4	4.02	2.56	2.56	2.54	2.54	2.54	2.54	2.54	2.51	2.51	2.51	2.50
MBUS Agent ROM	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.6	4.5	4.5	4.5	4.5	4.4	4.4	4.02	3.53	3.53	3.53	3.53	3.53	3.48	3.48	3.47	3.47	3.47	3.47
Fabric Downloader	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	4.7	4.6	4.6	4.3	4.3	4.3	4.3	3.9	3.9	3.9	3.9	3.9	3.9
X Blade																													
ROMMON		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	1.3	1.3	1.3	1.3		1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
MBUS Agent RAM		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	4.4	4.4	4.4	4.4	4.4	2.67	2.56	2.56	2.54	2.54	2.54	2.54	2.54	2.51	2.51	2.51	2.50
MBUS Agent ROM		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	4.4	4.4	4.4	4.4	4.4	4.2	3.53	3.53	3.53	3.53	3.53	3.48	3.48	3.47	3.47	3.47	3.47
Fabric Downloader		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	3.2	3.2	3.2	3.2		3.2	3.2	3.1	3.1	3.1	3.1	3.1	3.1	1.4	1.4	1.4	1.4
TREX FPGA		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	fpga2 162.45	fpga2 162.45	fpga2 162.45	fpga2 162.41													
TREX FPGA (proto legacy)		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	fpga (0.41257)	fpga (0.41257)	fpga (0.41257)	fpga (0.41257)													
Memory		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	2G	2G	2G	1G/2G													
Xena FPGA		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0xb03b	0xb03b	0xb03b	0xb03b													
Gabriel FPGA		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0x3	0x3	0x3	0x3													
IXP 2800 Network Proc SW																													
PRP2 Firmware																													
ROMMON	2.4	2.4	2.4	2.4	1.24	1.24	1.24	1.24	1.24	1.24	1.24	1.23	1.24	1.23	1.23	1.20	1.20	1.2	1.2	1.2	1.14	1.14	1.14	1.14	1.14	1.14	1.14	1.14	1.14
MBUS Agent RAM	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.6	4.5	4.5	4.5	4.5	4.4	4.4	4.02	2.56	2.54	2.54	2.54	2.54	2.54	2.54	2.51	2.51	2.51	2.50
MBUS Agent ROM	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.6	4.5	4.5	4.5	4.5	4.4	4.4	4.02	3.53	3.53	3.53	3.53	3.53	3.48	3.48	3.47	3.47	3.47	3.47
IOX Release	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes		Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Memory	2G	2G	2G	2G	2G	2G	2G	2G	2G	2G	2G	2G	2G	2G	2G	2G		1G	1G	1G	1G	1G	1G	1G	1G	1G	1G	1G	1G
PRP3 Firmware																													
ROMMON	1.5.0	1.5.0	1.4.0	1.4.0	1.4.0	1.4.0	1.4.0	1.4.0	1.4.0	1.4.0	1.4.0	1.4.0	1.4.0	1.4.0	1.4.0	1.2.0	Not Supported	-											
MBUS Agent RAM	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.6	4.5	4.5	4.5	4.5	4.4	Not Supported	-											
MBUS Agent ROM	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.6	4.5	4.5	4.5	4.5	4.4	Not Supported	-											
IOX Release	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Not Supported	No	No	No	No	No	No	No	No	No	No	No	No
Boot Strap Loader DT	1.4.0	1.4.0	1.4.0	1.4.0	1.4.0	1.4.0	1.4.0	1.4.0	1.4.0	1.4.0	1.4.0	1.4.0	1.4.0	1.4.0	1.4.0	0.13	Not Supported												
IO FPGA	1.09	1.09	1.09	1.09	1.09	1.09	1.09	1.09	1.09	1.09	1.09	1.09				1.06	Not Supported												
Memory	4G (8G option)	4G (8G option)	4G (8G option)	4G (8G option)	4G (8G option)	4G (8G option)	4G (8G option)	4G (8G option)	4G (8G option)	4G (8G option)	4G (8G option)	4G (8G option)	4G (8G option)	4G (8G option)	4G (8G option)	4G (8G option)	Not Supported												
POS/RPR SPAs																													
- SPA-4XOC3-POS-V2	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0		1.0	1.0	1.0	1.0	1.0	1.0						
- SPA-8XOC3-POS	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0		1.0	1.0	1.0	1.0	1.0	1.0						
- SPA-2XOC12-POS	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0		1.0	1.0	1.0	1.0	1.0	1.0						
- SPA-4XOC12-POS	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0		1.0	1.0	1.0	1.0	1.0	1.0						
- SPA-8XOC12-POS	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0		1.0	1.0	1.0	1.0	1.0	1.0						
- SPA-1XOC48POS/RPR	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2		1.2	1.2	1.2	1.2	1.2	1.2						
- SPA-2XOC48POS/RPR	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0		1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
- SPA-OC192POS-VSR	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2		1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.0
- SPA-OC192POS-LR	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2		1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
- SPA-OC192POS-XFP	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2		1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
Ethernet SPAs																													
- SPA-8XFE-TX		1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1		1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
- SPA-8X1FE-TX-V2		1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1		1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
- SPA-2X1GE-V2		1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1		1.1	1.1	1.1	1.1	1.1	1.1	0.6	0.6	0.6	0.6	0.6	
- SPA-5X1GE		1.10	1.10	1.10	1.1	1.1	1.1	1.1	1.10	1.1	1.1	1.1	1.1	1.1	1.1	1.1		1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10
- SPA-5X1GE-V2		1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.1		1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10
- SPA-8X1GE-V2		1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.1		1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10
- SPA-10X1GE		1.10	1.10	1.10	1.1	1.1	1.1	1.1	1.10	1.1	1.1	1.1	1.1	1.1	1.1	1.1		1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10
- SPA-10X1GE-V2		1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.1		1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10
- SPA-1XTENGE-XFP		1.11	1.11	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9		1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
- SPA-1X10GE-L-V2		1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.11	1.9	1.9	1.9	1.9	1.9	1.9	1.9		1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
Serial/Channelized SPAs																													
- SPA-8XCHT1/E1																													
fpga	2.08	2.08	2.08	2.08	2.08	2.08	2.08	2.08	2.08	2.08	2.08	2.08	2.08	2.08	2.8	2.8		2.8	2.7	2.7									
rommon	2.12	2.12	2.12	2.12	2.12	2.12	2.12	2.12	2.12	2.12	2.12	2.12	2.12	2.12	2.12	2.12		2.12	2.12	2.12									
- SPA-2XT3/E3																													
fpga	1.01	1.01	1.01	1.01	1.01	1.01	1.01	1.01	1.01	1.01	1.01	1.01	1.01	1.01	1.01	1.1		1.1	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
rommon	2.12	2.12	2.12	2.12	2.12	2.12	2.12	2.12	2.12	2.12	2.12	2.12	2.12	2.12	2.12	2.12		2.12	2.12	2.12	2.12	2.12	2.12	2.12	2.12	2.12	2.12	2.12	2.12
fpga2	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.4		1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
fpga3	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.4		1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
- SPA-4XT3/E3																													
fpga	1.01	1.01	1.01	1.01	1.01	1.01	1.01	1.01	1.01	1.01	1.01	1.01	1.01	1.01	1.01	1.1		1.1	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
rommon	2.12	2.12	2.12	2.12	2.12	2.12	2.12	2.12	2.12	2.12	2.12	2.12	2.12	2.12	2.12	2.12		2.12	2.12	2.12	2.12	2.12	2.12	2.12	2.12	2.12	2.12	2.12	2.12
fpga2	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.4		1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
fpga3	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.4		1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
- SPA-2XCT3/DS0																													
fpga	2.08	2.08	2.08	2.08	2.08	2.08	2.08	2.08	2.08	2.08	2.08	2.08	2.08	2.08	2.08	2.8		2.8	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.4	2.4	2.4	2.4
rommon	2.12	2.12	2.12	2.12	2.12	2.12	2.12	2.12	2.12	2.12	2.12	2.12	2.12	2.12	2.12	2.12		2.12	2.12	2.12	2.12	2.12	2.12	2.12	2.12	2.12	2.12	2.12	2.12
fpga2	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.4		1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
- SPA-4XCT3/DS0																													
fpga	2.08	2.08	2.08	2.08	2.08	2.08	2.08	2.08	2.08	2.08	2.08	2.08	2.08	2.08	2.08	2.8		2.8	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.4	2.4	2.4	2.4
rommon	2.12	2.12	2.12	2.12	2.12	2.12	2.12	2.12	2.12	2.12	2.12	2.12	2.12	2.12	2.12	2.12		2.12	2.12	2.12	2.12	2.12	2.12	2.12	2.12	2.12	2.12	2.12	2.12
fpga2	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.4		1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
- SPA-1XCHSTM1/OC3																													
fpga	1.08	1.08	1.08	1.08	1.08	1.08	1.08	1.08	1.08	1.08	1.08	1.08	1.08	1.08	1.08	1.08		1.8	1.7	1.7	1.7	1.7	1.7						
rommon	2.12	2.12	2.12	2.12	2.12	2.12	2.12	2.12	2.12	2.12	2.12	2.12	2.12	2.12	2.12	2.12		2.12	2.12	2.12	2.12	2.12	2.12						
fpga2	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.04	1.4		1.4	1.4	1.4	1.4	1.4	1.4						
Fab Version																>4													
- SPA-1XCHOC12/DS0																													
fpga	1.0036	1.36	1.36	1.36	1.36	1.36	1.36	1.36	1.36	1.07	1.07	1.07	1.07	1.07	1.07	1.07		1.7	1.7	1.0	1.0	1.0	1.0						
rommon	2.02	2.02	2.02	2.02	2.02	2.02	2.02	2.02	2.02	2.02	2.02	2.02	2.02	2.02	2.02	2.02		2.2	2.2	2.2	2.2	2.2	2.2						
fpga2	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00		1.0	1.0	1.0	1.0	1.0	1.0						
- SPA-1XCHOC48/DS3																													
fpga	1.0036	1.36	1.36	1.36	1.36	1.36	1.36	1.36	1.36	1.07	1.07	1.07	1.07	1.07	1.07	1.07		1.7	1.7	1.7									
rommon	2.02	2.02	2.02	2.02	2.02	2.02	2.02	2.02	2.02	2.02	2.02	2.02	2.02	2.02	2.02	2.02		2.2	2.2	2.2									
fpga2	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00		1.0	1.0	1.0									
fpga3	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00		1.0	1.0	0.848									
ATM SPAs																													
- SPA-1XOC3-ATM-V2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	1.4	1.4	1.4	1.4	1.3	1.3	1.3	1.0		1.0											
- SPA-3XOC3-ATM-V2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	1.4	1.4	1.4	1.4	1.3	1.3	1.3	1.0		1.0											
- SPA-1XOC12-ATM-V2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	1.4	1.4	1.4	1.4	1.3	1.3	1.3	1.0		1.0											
- SPA-2CHT3-CE-ATM																													
fpga	2.22	2.22	2.22	2.22	2.22	2.22	2.22	2.22	2.22	2.22	2.22	2.22	2.22	2.22	2.22	2.22		2.22											
rommon	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4		1.4											
fpga2	1.11	1.11	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10		1.10											
Eng3 ATM Line Cards																													
- E3-OC12-ATM-4																													
fpga	40977	40977	40977	40977	40977	40977	40977	40977	40977	40977.0	40977.0	40977.0	40977.0	40977.0	40977.0	40977.0	40977.0	40977.0	40977.0	40977.0	40977.0	40977.0	40977.0	40977.0	40977.0	40977.0	40977.0	40977.0	40977.0
fpga2	40971	40971	40971	40971	40971	40971	40971	40971	40971	40971.0	40971.0	40971.0	40971.0	40971.0	40971.0	40971.0	40971.0	40971.0	40971.0	40971.0	40971.0	40971.0	40971.0	40971.0	40971.0	40971.0	40971.0	40971.0	40971.0
fpga3	41091	41091	41091	41091	41091	41091	41091	41091	41091	41091.0	41091.0	41091.0	41091.0	41091.0	41091.0	41091.0	41091.0	41091.0	41090.0	41090.0	41091.0	41090.0	41090.0	41090.0	41090.0	41090.0	41090.0	41090.0	41090.0
fpga4	45586	45586	45586	45586	45586	45586	45586	45586	45586	45586.0	45586.0	45586.0	45586.0	45586.0	45586.0	45586.0	45585.0	45585.0	45584.0	45584.0	45583.0	45583.0	45583.0	45583.0	45583.0	45581.0	45581.0	45581.0	45581.0
fpga5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	45584.0	45584.0	45583.0	45583.0	45583.0	45583.0	45583.0	45581.0	45581.0	45581.0	45581.0
- E3-OC3-ATM-4																													
fpga	40977	40977	40977	40977	40977	40977	40977	40977	40977	40977.0	40977.0	40977.0	40977.0	40977.0	40977.0	40977.0	40977.0	40977.0	40977.0	40977.0	40977.0	40977.0	40977.0	40977.0	40977.0	40977.0	40977.0	40977.0	40977.0
fpga2	40971	40971	40971	40971	40971	40971	40971	40971	40971	40971.0	40971.0	40971.0	40971.0	40971.0	40971.0	40971.0	40971.0	40971.0	40971.0	40971.0	40971.0	40971.0	40971.0	40971.0	40971.0	40971.0	40971.0	40971.0	40971.0
fpga3	41091	41091	41091	41091	41091	41091	41091	41091	41091	41091.0	41091.0	41091.0	41091.0	41091.0	41091.0	41091.0	41091.0	41091.0	41090.0	41090.0	41091.0	41090.0	41090.0	41090.0	41090.0	41090.0	41090.0	41090.0	41090.0
fpga4	45586	45586	45586	45586	45586	45586	45586	45586	45586	45586.0	45586.0	45586.0	45586.0	45586.0	45586.0	45586.0	45585.0	45585.0	45584.0	45584.0	45583.0	45583.0	45583.0	45583.0	45583.0	45581.0	45581.0	45581.0	45581.0
fpga5	N/A	NA	NA	NA	NA	NA	NA	NA	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	45584.0	45584.0	45583.0	45583.0	45583.0	45583.0	45583.0	45581.0	45581.0	45581.0	45581.0
Eng3 Channelized Line Cards																													
- E3-OC12-CH-1																													
Shiver FPGA	1.02	1.02	1.02	1.02	1.02	1.02	1.01	1.01	1.02	1.01	1.01	1.01	1.01	1.01	1.01	1.01	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Supported Disks																													
STI Flash																8.0.0													
Sandisk SDP3B																1024													
Sandisk VDI - Industrial																1.24													
Sandisk HDC - Industrial																1.23													
Boothelper																													
Image																c12kprp-boot-mz.120-32.SY5													
XFP/SFP																													
Cisco																													
Service SPAs																													
- SPA-IPSEC-2G-2											Not supported s	Not supported s	1.22	1.22	1.22	1.22	1.22	1.22	1.22	1.22	1.22	1.22	1.22	1.22	1.22	1.22	1.22	1.22	1.22
rommon											Not supported s	Not supported s	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
fpga2											Not supported s	Not supported s	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1

Legend:

'Value' or X	Item is support under for that Release of IOS-XR.
'Value'	The item's recommended firmware version for that Release of IOS-XR.
X	The item does not have FPGA firmware.
'Blank' =	Item not support for that Release of IOS-XR.
N/A =	Data not available.

*Note: With SMU Installed and Activated.
**Note: User must download the ROMMON Binaries from CCO.

Usage Guide: It is recommended to upgrade the firmware to at least the version listed for that release of IOS-XR.