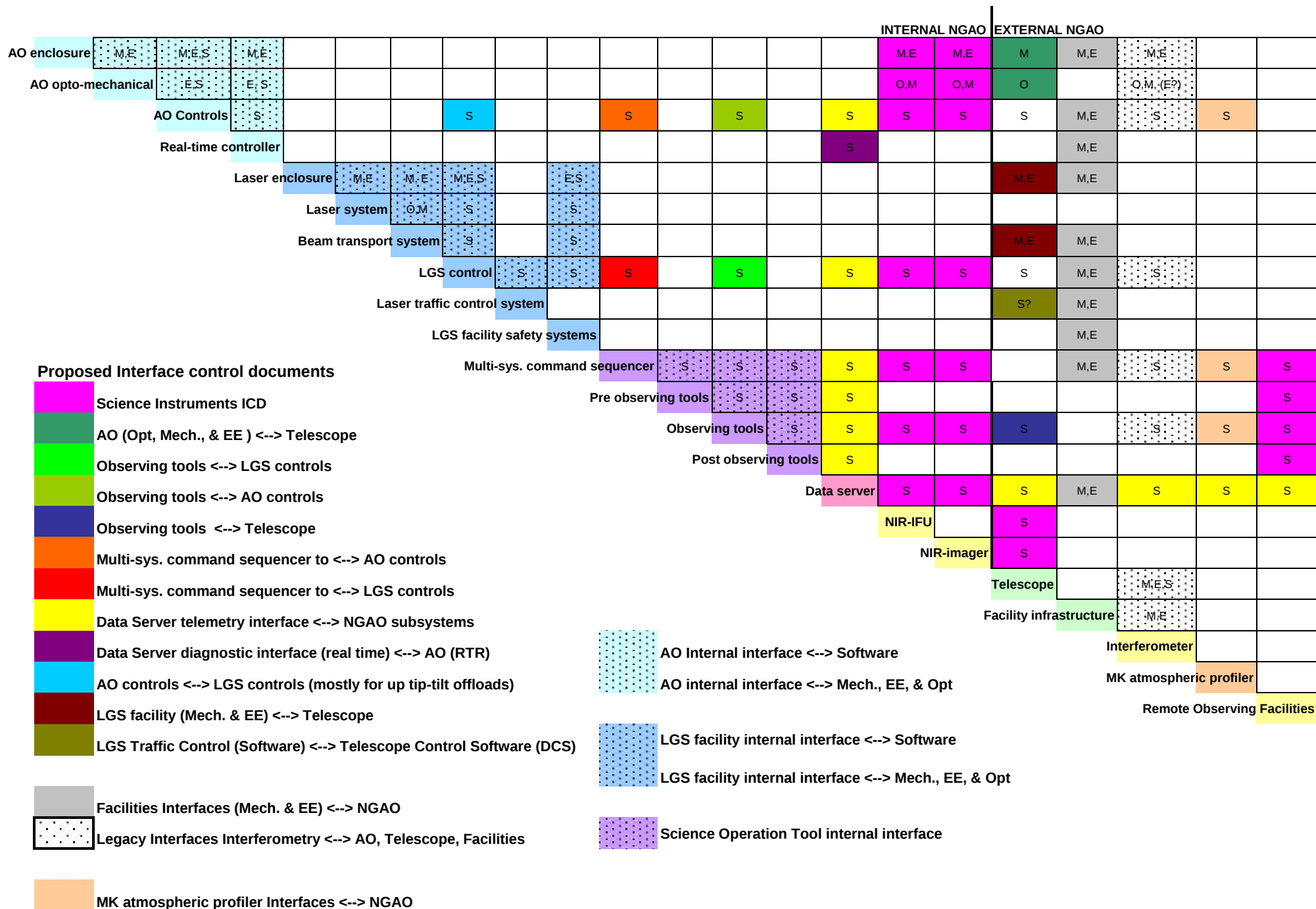




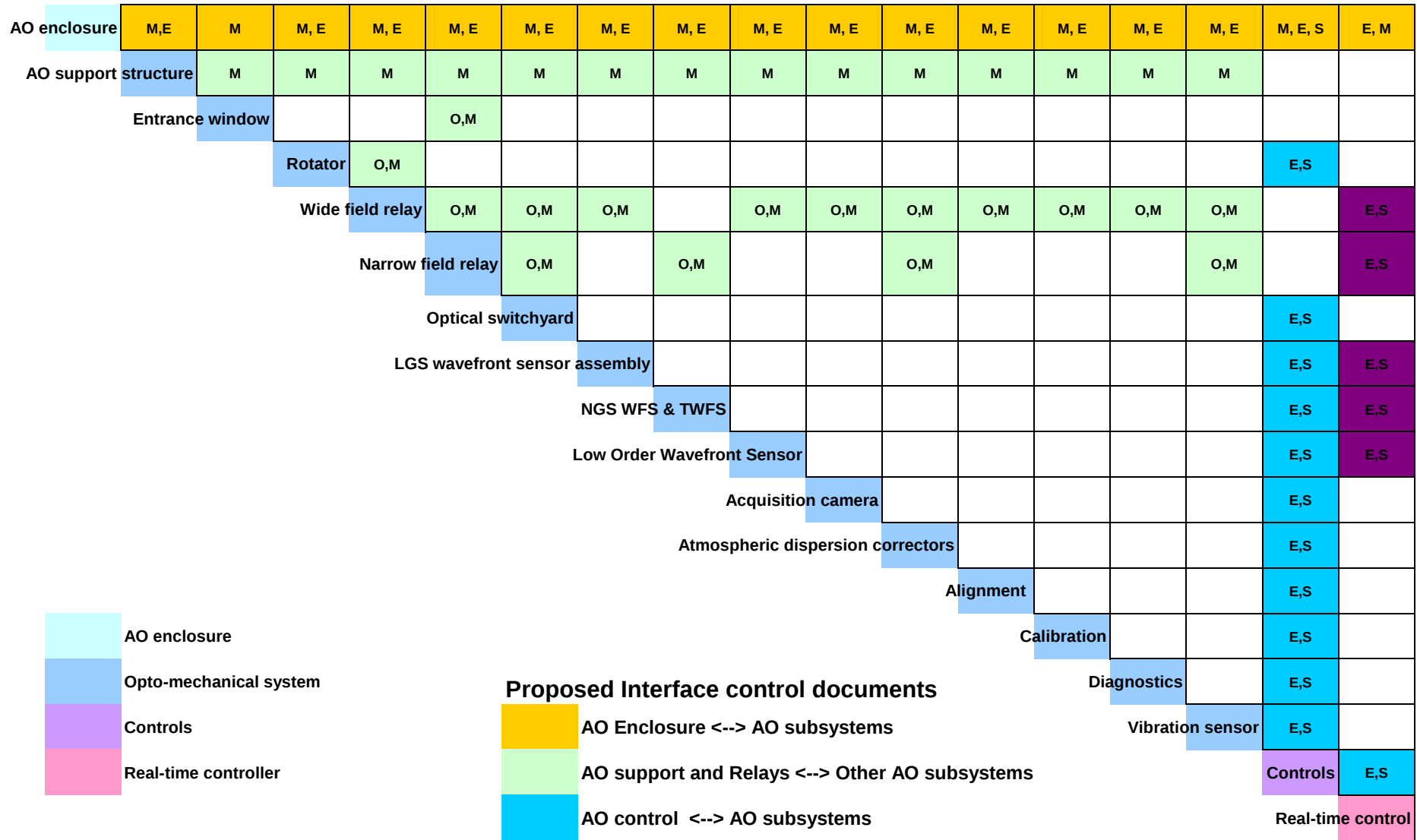
															INTERNAL NGAO		EXTERNAL NGAO				
AO enclosure	M,E	M,E,S	M,E												M,E	M,E	M	M,E	M,E		
AO opto-mechanical		E,S	E, S												O,M	O,M	O		O,M, (E?)		
	AO Controls		S				S			S		S		S	S	S	S	M,E	S	S	
		Real-time controller											S					M,E			
			Laser enclosure	M,E	M, E	M,E,S		E,S									M,E	M,E			
				Laser system	O,M	S		S													
					Beam transport system	S		S									M,E	M,E			
						LGS control	S	S	S		S		S	S	S	S	S	M,E	S		
							Laser traffic control system										S?	M,E			
								LGS facility safety systems										M,E			
									Multi-sys. command sequencer	S	S	S	S	S	S	S		M,E	S	S	S
										Pre observing tools	S	S	S							S	S
											Observing tools	S	S	S	S	S	S		S	S	S
												Post observing tools	S							S	S
													Data server	S	S	S	M,E	S	S	S	
														NIR-IFU		S					
															NIR-imager	S					
																Telescope		M,E,S			
																	Facility infrastructure	M,E			
																		Interferometer			
																			MK atmospheric profiler		
																				Remote Observing Facilities	

Systems are on the diagonal

- Adaptive Optics System
- Laser Guide Star Facility
- Science Operations Tools
- Data Server
- Instruments
- Observatory
- Atmospheric Profiler
- Remote Observing Facilites

Letters represent interfaces

O	optical
M	mechanical
E	electrical
S	software



Laser enclosure	M,E	M,E			S		E,S	E,S	E,S
Laser units	M,E	E,S	O						
Laser unit support Hardware			M,E	S					
Laser unit support software			S	S		S	S	S	
Beam Transport system				S		S	S	S	
LGS control system					S	S	S	S	
Laser traffic control system									
Laser safety system									
Satellite safety system									
Aircraft safety system									

	Laser enclosure
	Laser system
	Beam transport system
	LGS control
	Laser Traffic Control system
	LGS facility safety system

Proposed Interface control documents

	Laser unit and support system <--> LGS Facility
	LGS facility safety systems <--> Laser enclosure, Beam transport, LGS control
	LGS control system <--> Enclosure, &, Beam transport
	Laser traffic control system <--> LGS control system