

IOOS Regional DIF Implementation Matrix (1 May 2009)

COLOR KEY: Implementation Status	Eligible Service (Not Operating)	Eligible Service (Operating) =	Non-Eligible Service		"Eligible" is being used only with respect to the IOOS Regional DIF Implementation effort. Two main elements: 1) is data being collected; and 2) is the web service supported.		
VALUE KEY: Operational Status	1 = Planned	2 = In Progress	3 = Min. Capacity	4 = In Testing	5 = Approved	6 = Certified	7 = Operational
SERVICE KEY:	SOS = Sensor Observation Service		WCS = Web Coverage Service		WMS = Web Mapping Service		DAP = Data Access Protocol

EXAMPLE CELL

7 --> The cell value represents the operational level and links to a web page that includes a short description of status, point of contact, actual service links, and associated application links (e.g., AOS CV1 SOS.htm)

DIF CORE VARIABLE	CV: Water Temperature				CV: Water Level				CV: Salinity				CV: Surface Waves				CV: Surface Winds				CV: Surface Currents				CV: Ocean Color			
	SOS	WCS	WMS	DAP	SOS	WCS	WMS	DAP	SOS	WCS	WMS	DAP	SOS	WCS	WMS	DAP	SOS	WCS	WMS	DAP	SOS	WCS	WMS	DAP	SOS	WCS	WMS	DAP
AOS	X																											
CARA	1		1	1	1		1	1	1		1	1	1		2	1	3		3	3	1		1	1			1	1
CENCOOS																												
GCOOS																												
GLOS	1	2	2	2	1	2	2	2													1	3	X	3				
MACOORA																												
NANOOS																												
NERACOOS	2		X	X					2		1	X			1	X	2		X	X	2		X	X			X	X
PACIOOS																												
SECOORA	X		X	X	X		X	X	X		X	X	X		X	X	X		X	X	X		X	X	X		X	X
SCCOOS																												

EXAMPLE CELL

http://rcoos.org/secoora/files/AOS_CV1_SOS.htm

OPERATIONAL STATUS DESCRIPTIONS:

(1) **Planned:** Service is being planned for implementation; assumes no coding or infrastructure allocated.
 (2) **In Progress:** Service development is actively in progress (i.e., under development).
 (3) **Minimal Capacity:** Service of some flavor is available; compliance is untested; includes categories of testing and partial implementation of initial services; minimal capacity exists enough for testing; alpha/beta states
 (4) **Testing:** Service is undergoing testing/evaluation (for DIF compliance) by approved third-party.
 (5) **Approved:** Service has passed testing/evaluation (for DIF compliance).
 (6) **Certified:** Service has passed internal QA/QC/OOS checks, certified for release, and published to registry
 (7) **Operational:** Service is actively in use by the customer base (i.e., subscriptions and related applications).