API Change Old value (520)	New value (520r)	Interfaces affected (520)	Interface (520r)	Method name	Rationale for change	Impact
System-wide changes						
use ESMF Mod	use ESMF	All	All	All	Consistency with other software packages	System-wide search and replace
use LSIVII _IVIOU	use LSIVII	All	All	All	Consistency with other software packages	System-wide search and replace
Argument name changes						
Argument name changes						
						If keywords are not used: for optional arguments, add keyword. For required arguments, no impact. If
stateitemtype	itemtype	17.7.10	17.7.10	ESMF_StateGet	Consistency with other State argument names	keywords are used: search and replace.
						If keywords are not used: for optional arguments, add keyword. For required arguments, no impact. If
indicies	indices	20.7.11	22.8.11	ESMF_FieldRegridStore	Correct spelling	keywords are used: search and replace.
						If keywords are not used: for optional arguments,
max	maxPECountPerPET	15.5.21	15.4.21	ESMF GridCompSetVMMaxPEs	Conform to bounds convention	add keyword. For required arguments, no impact. If keywords are used: search and replace.
IIIGA	maxi Eddunu en El	10.5.21	10.4.21	Lowii _ondoompoetviviiviaxi Ls	Comon to bounds convention	If keywords are not used: for optional arguments,
		15.5.22	15.4.22	ESMF_GridCompSetVMMaxThreads	Conform to bounds convention	add keyword. For required arguments, no impact. If keywords are used: search and replace.
						If keywords are not used: for optional arguments,
		15.5.23	15.4.23	ESMF_GridCompSetVMMinThreads	Conform to bounds convention	add keyword. For required arguments, no impact. If keywords are used: search and replace.
						If keywords are not used: for optional arguments, add keyword. For required arguments, no impact. If
		16.4.21	16.4.21	ESMF_CplCompSetVMMaxPEs	Conform to bounds convention	keywords are used: search and replace.
						If keywords are not used: for optional arguments, add keyword. For required arguments, no impact. If
		16.4.22	16.4.22	ESMF_CplCompSetVMMaxThreads	Conform to bounds convention	keywords are used: search and replace. If keywords are not used: for optional arguments,
						add keyword. For required arguments, no impact. If
		16.4.23	16.4.23	ESMF_CplCompSetVMMinThreads	Conform to bounds convention	keywords are used: search and replace. If keywords are not used: for optional arguments,
	g.tB	45.5.04	15.104	FOME OCIO O. WANA. DE.	0.5	add keyword. For required arguments, no impact. If
pref_intra_process	prefintraProcess	15.5.21	15.4.21	ESMF_GridCompSetVMMaxPEs	Conform to bounds convention	keywords are used: search and replace. If keywords are not used: for optional arguments,
		15.5.22	15.4.22	ESMF GridCompSetVMMaxThreads	Conform to bounds convention	add keyword. For required arguments, no impact. If keywords are used: search and replace.
		15.5.22	15.4.22	_GridCompSetVivilviaxTirleaus	Comoni to bounds convention	If keywords are not used: for optional arguments,
		15.5.23	15.4.23	ESMF_GridCompSetVMMinThreads	Conform to bounds convention	add keyword. For required arguments, no impact. If keywords are used: search and replace.
						If keywords are not used: for optional arguments, add keyword. For required arguments, no impact. If
		16.4.21	16.4.21	ESMF_CplCompSetVMMaxPEs	Conform to bounds convention	keywords are used: search and replace.
						If keywords are not used: for optional arguments, add keyword. For required arguments, no impact. If
		16.4.22	16.4.22	ESMF_CplCompSetVMMaxThreads	Conform to bounds convention	keywords are used: search and replace.
						If keywords are not used: for optional arguments, add keyword. For required arguments, no impact. If
		16.4.23	16.4.23	ESMF_CplCompSetVMMinThreads	Conform to bounds convention	keywords are used: search and replace. If keywords are not used: for optional arguments,
						add keyword. For required arguments, no impact. If
pref_intra_ssi	prefIntraSsi	15.5.21	15.4.21	ESMF_GridCompSetVMMaxPEs	Conform to bounds convention	keywords are used: search and replace. If keywords are not used: for optional arguments,
		15.5.22	15.4.22	ESMF GridCompSetVMMaxThreads	Conform to bounds convention	add keyword. For required arguments, no impact. If keywords are used: search and replace.
		10.0.22	10.4.22	LOWIT_GHOOTHPOELVIVIIVIAX THEADS	Comorni to bounds convention	If keywords are not used: for optional arguments,
		15.5.23	15.4.23	ESMF GridCompSetVMMinThreads	Conform to bounds convention	add keyword. For required arguments, no impact. If keywords are used: search and replace.
						If keywords are not used: for optional arguments,
		16.4.21	16.4.21	ESMF_CplCompSetVMMaxPEs	Conform to bounds convention	add keyword. For required arguments, no impact. If keywords are used: search and replace.
						If keywords are not used: for optional arguments, add keyword. For required arguments, no impact. If
		16.4.22	16.4.22	ESMF_CplCompSetVMMaxThreads	Conform to bounds convention	keywords are used: search and replace.
						If keywords are not used: for optional arguments, add keyword. For required arguments, no impact. If
		16.4.23	16.4.23	ESMF_CplCompSetVMMinThreads	Conform to bounds convention	keywords are used: search and replace. If keywords are not used: for optional arguments,
						add keyword. For required arguments, no impact. If
pref_inter_ssi	prefInterSsi	15.5.21	15.4.21	ESMF_GridCompSetVMMaxPEs	Conform to bounds convention	keywords are used: search and replace. If keywords are not used: for optional arguments,
		15.5.22	15.4.22	ESME GridCompSot/MMovTh	Conform to bounds convention	add keyword. For required arguments, no impact. If keywords are used: search and replace.
		10.0.22	10.4.22	ESMF_GridCompSetVMMaxThreads	Comorni to bounds convention	If keywords are not used: for optional arguments,
		15.5.23	15.4.23	ESMF GridCompSetVMMinThreads	Conform to bounds convention	add keyword. For required arguments, no impact. If keywords are used: search and replace.
		10.0.23	10.4.20	_Givir_GildCompSetviviiviiiTTileads	Comorni to bounds convention	neywords are used, scardi and replace.

API Change Old value (520)	Now value (E20-)	Interference offerted (500)	Interface (E20-)	Mothod name	Potionale for change	Import
Old Value (520)	New value (520r)	Interfaces affected (520)	Interface (520r)	Method name	Rationale for change	Impact If keywords are not used: for optional arguments,
		16.4.21	16.4.21	ESMF_CplCompSetVMMaxPEs	Conform to bounds convention	add keyword. For required arguments, no impact. If keywords are used: search and replace.
		16.4.22	16.4.22	ESMF_CpiCompSetVMMaxThreads	Conform to bounds convention	If keywords are not used: for optional arguments, add keyword. For required arguments, no impact. If keywords are used: search and replace.
		16.4.23	16.4.23	ESMF_CplCompSetVMMinThreads	Conform to bounds convention	If keywords are not used: for optional arguments, add keyword. For required arguments, no impact. If keywords are used: search and replace.
						If keywords are not used: for optional arguments,
tileListPDe	deToTileMap	22.5.16	24.5.16	ESMF_ArrayGet	Conform to bounds convention	add keyword. For required arguments, no impact. If keywords are used: search and replace.
	·					If keywords are not used: for optional arguments, add keyword. For required arguments, no impact. If
		29.5.12	31.6.12	ESMF_DistGridGet	Conform to bounds convention	keywords are used: search and replace.
minIndexPDimPTile	minIndexPTile	22.5.16	24.5.16	ESMF_ArrayGet	Conform to bounds convention	If keywords are not used: for optional arguments, add keyword. For required arguments, no impact. If keywords are used: search and replace.
		29.5.12	31.6.12	ESMF DistGridGet	Conform to bounds convention	If keywords are not used: for optional arguments, add keyword. For required arguments, no impact. If keywords are used: search and replace.
		23.3.12	31.0.12	LOWII _DISCONDOCT	Comoni to bounds convention	If keywords are not used: for optional arguments,
maxIndexPDimPTile	maxIndexPTile	22.5.16	24.5.16	ESMF ArrayGet	Conform to bounds convention	add keyword. For required arguments, no impact. If keywords are used: search and replace.
						If keywords are not used: for optional arguments, add keyword. For required arguments, no impact. If
		29.5.12	31.6.12	ESMF_DistGridGet	Conform to bounds convention	keywords are used: search and replace. If keywords are not used: for optional arguments,
indexCountPDimPDe	indexCountPDe	22.5.16	24.5.16	ESMF_ArrayGet	Conform to bounds convention	add keyword. For required arguments, no impact. If keywords are used: search and replace.
						If keywords are not used: for optional arguments, add keyword. For required arguments, no impact. If
		29.5.12	31.6.12	ESMF_DistGridGet	Conform to bounds convention	keywords are used: search and replace. If keywords are not used: for optional arguments,
acunta	totalCount	23.3.4	25.3.4	ESME LocalArrayCroate	Conform to bounds convention	add keyword. For required arguments, no impact. If keywords are used: search and replace.
counts	totalcount	23.3.4	23.3.4	ESMF_LocalArrayCreate	Conform to bounds convention	If keywords are not used: for optional arguments, add keyword. For required arguments, no impact. If
		23.3.5	25.3.5	ESMF_LocalArrayCreate	Conform to bounds convention	keywords are used: search and replace. If keywords are not used: for optional arguments,
		23.3.7	25.3.7	ESMF_LocalArrayCreate	Conform to bounds convention	add keyword. For required arguments, no impact. If keywords are used: search and replace.
						If keywords are not used: for optional arguments, add keyword. For required arguments, no impact. If
		23.3.9	25.3.9	ESMF_LocalArrayGet	Conform to bounds convention	keywords are used: search and replace. If keywords are not used: for optional arguments,
Ibounds	totalLBound	23.3.4	25.3.4	ESMF_LocalArrayCreate	Conform to bounds convention	add keyword. For required arguments, no impact. If keywords are used: search and replace.
ibourius	totalEbourid	20.0.4	20.0.4		Comorni to Bodildo Convention	If keywords are not used: for optional arguments, add keyword. For required arguments, no impact. If
		23.3.5	25.3.5	ESMF_LocalArrayCreate	Conform to bounds convention	keywords are used: search and replace.
						If keywords are not used: for optional arguments, add keyword. For required arguments, no impact. If
		23.3.7	25.3.7	ESMF_LocalArrayCreate	Conform to bounds convention	keywords are used: search and replace. If keywords are not used: for optional arguments,
		23.3.9	25.3.9	ESMF_LocalArrayGet	Conform to bounds convention	add keyword. For required arguments, no impact. If keywords are used: search and replace.
				<u> </u>		If keywords are not used: for optional arguments, add keyword. For required arguments, no impact. If
ubounds	totalUBound	23.3.4	25.3.4	ESMF_LocalArrayCreate	Conform to bounds convention	keywords are used: search and replace.
						If keywords are not used: for optional arguments, add keyword. For required arguments, no impact. If
		23.3.5	25.3.5	ESMF_LocalArrayCreate	Conform to bounds convention	keywords are used: search and replace. If keywords are not used: for optional arguments,
		23.3.7	25.3.7	ESMF_LocalArrayCreate	Conform to bounds convention	add keyword. For required arguments, no impact. If keywords are used: search and replace.
		23.3.9	25.3.9	ESMF_LocalArrayGet	Conform to bounds convention	If keywords are not used: for optional arguments, add keyword. For required arguments, no impact. If keywords are used: search and replace.
						If keywords are not used: for optional arguments, add keyword. For required arguments, no impact. If
firstExtra	firstExtraPTile	29.5.5	31.6.5	ESMF_DistGridCreate	Conform to bounds convention	keywords are used: search and replace. If keywords are not used: for optional arguments,
lastExtra	lastExtraPTile	29.5.5	31.6.5	ESMF_DistGridCreate	Conform to bounds convention	add keyword. For required arguments, no impact. If keywords are used: search and replace.
						If keywords are not used: for optional arguments, add keyword. For required arguments, no impact. If
minIndex	minIndexPTile	29.5.8	31.6.8	ESMF_DistGridCreate	Conform to bounds convention	keywords are used: search and replace.

API Change Old value (520)	New value (520r)	Interfaces affected (520)	Interface (520r)	Method name	Rationale for change	Impact
` ′	(,		\ <i>\</i>		-	If keywords are not used: for optional arguments,
						add keyword. For required arguments, no impact. If
		29.5.10	31.6.10	ESMF_DistGridCreate	Conform to bounds convention	keywords are used: search and replace.
						If keywords are not used: for optional arguments,
						add keyword. For required arguments, no impact. If
maxIndex	maxIndexPTile	29.5.8	31.6.8	ESMF_DistGridCreate	Conform to bounds convention	keywords are used: search and replace.
						If keywords are not used: for optional arguments,
		20 5 40	24 0 40	FOME Distoridos etc	Conform to bounds convention	add keyword. For required arguments, no impact. If
		29.5.10	31.6.10	ESMF_DistGridCreate	Conform to bounds convention	keywords are used: search and replace.
						If keywords are not used: for optional arguments, add keyword. For required arguments, no impact. If
regDecomp	regDecompPTile	29.5.8	31.6.8	ESMF_DistGridCreate	Conform to bounds convention	keywords are used: search and replace.
тедресопр	regizecomprime	29.3.0	31.0.0	LOWI _DISIGNOCIEATE	Comorn to bounds convention	If keywords are not used: for optional arguments,
						add keyword. For required arguments, no impact. If
decompflag	decompflagPTile	29.5.8	31.6.8	ESMF_DistGridCreate	Conform to bounds convention	keywords are used: search and replace.
accompilag	decemping: The	20.0.0	01.0.0	_blotolidelodto	Comorni to Boardo Convention	If keywords are not used: for optional arguments,
						add keyword. For required arguments, no impact. If
regDecompFirstExtra	regDecompFirstExtraPTile	29.5.8	31.6.8	ESMF_DistGridCreate	Conform to bounds convention	keywords are used: search and replace.
						If keywords are not used: for optional arguments,
						add keyword. For required arguments, no impact. If
regDecompLastExtra	regDecompLastExtraPTile	29.5.8	31.6.8	ESMF_DistGridCreate	Conform to bounds convention	keywords are used: search and replace.
						If keywords are not used: for optional arguments,
			1			add keyword. For required arguments, no impact. If
minIndexPDimPDe	minIndexPDe	29.5.12	31.6.12	ESMF_DistGridGet	Conform to bounds convention	keywords are used: search and replace.
						If keywords are not used: for optional arguments,
		20.5.42	24.0.40	FOME Distortion	Conform to have do to the first	add keyword. For required arguments, no impact. If
maxIndexPDimPDe	maxIndexPDe	29.5.12	31.6.12	ESMF_DistGridGet	Conform to bounds convention	keywords are used: search and replace.
						If keywords are not used: for optional arguments, add keyword. For required arguments, no impact. If
collocationPDim	collocation	29.5.12	31.6.12	ESMF_DistGridGet	Conform to bounds convention	keywords are used: search and replace.
COILOCATIONEDIM	COllocation	29.5.12	31.0.12	ESIVIF_DISTGITUGET	Conform to bounds convention	keywords are used, search and replace.
						If keywords are not used: for optional arguments,
						add keyword. For required arguments, no impact. If
method	methodflag	15.5.15	15.4.15	ESMF_GridCompSetEntryPoint	Conform to constants convention	keywords are used: search and replace.
metriod	metrodilag	10.5.15	13.4.13	Low _ondoompoetEntry ont	Comorn to constants convention	If keywords are not used: for optional arguments,
						add keyword. For required arguments, no impact. If
		16.4.15	16.4.15	ESMF_CplCompSetEntryPoint	Conform to constants convention	keywords are used: search and replace.
			1			If keywords are not used: for optional arguments,
						add keyword. For required arguments, no impact. If
attcopyflag	copyflag	33.9.6	35.10.6	ESMF_AttributeCopy	Conform to constants convention	keywords are used: search and replace.
						If keywords are not used: for optional arguments,
						add keyword. For required arguments, no impact. If
copyflag	datacopyflag	20.6.8	22.6.6	ESMF_FieldCreate	Conform to constants convention	keywords are used: search and replace.
						If keywords are not used: for optional arguments,
						add keyword. For required arguments, no impact. If
		20.6.9	22.6.7	ESMF_FieldCreate	Conform to constants convention	keywords are used: search and replace.
						If keywords are not used: for optional arguments,
		00.0.10	00.00	FOME Fields	0	add keyword. For required arguments, no impact. If
		20.6.10	22.6.8	ESMF_FieldCreate	Conform to constants convention	keywords are used: search and replace.
						If keywords are not used: for optional arguments,
		20.6.13	22.6.11	ESME FieldCreate	Conform to constants convention	add keyword. For required arguments, no impact. If
		20.0.13	22.0.11	ESMF_FieldCreate	Comorn to constants convention	keywords are used: search and replace. If keywords are not used: for optional arguments,
						add keyword. For required arguments, no impact. If
		20.6.14	22.6.12	ESMF_FieldCreate	Conform to constants convention	keywords are used: search and replace.
		25.0.17	3.12		SSS.III to constants convention	If keywords are not used: for optional arguments,
						add keyword. For required arguments, no impact. If
		20.6.15	22.6.13	ESMF_FieldCreate	Conform to constants convention	keywords are used: search and replace.
						If keywords are not used: for optional arguments,
						add keyword. For required arguments, no impact. If
		20.6.18	22.6.16	ESMF_FieldCreate	Conform to constants convention	keywords are used: search and replace.
						If keywords are not used: for optional arguments,
						add keyword. For required arguments, no impact. If
		20.6.19	22.6.17	ESMF_FieldCreate	Conform to constants convention	keywords are used: search and replace.
						If keywords are not used: for optional arguments,
						add keyword. For required arguments, no impact. If
		20.6.20	22.6.18	ESMF_FieldCreate	Conform to constants convention	keywords are used: search and replace.
						If keywords are not used: for optional arguments,
		20.0.22	00.0.04	FOME Fieldowers	Conform to constant and a second	add keyword. For required arguments, no impact. If
		20.6.23	22.6.21	ESMF_FieldCreate	Conform to constants convention	keywords are used: search and replace.
						If keywords are not used: for optional arguments, add keyword. For required arguments, no impact. If
		20.6.24	22.6.22	ESME FieldCrosto	Conform to constants convention	keywords are used: search and replace.
		20.0.24	22.0.22	ESMF_FieldCreate	Comorn to constants convention	If keywords are used: search and replace.
						add keyword. For required arguments, no impact. If
		20.6.25	22.6.23	ESMF_FieldCreate	Conform to constants convention	keywords are used: search and replace.
		20.0.20	0.20		Comornia Constante Convention	If keywords are not used: for optional arguments.
						add keyword. For required arguments, no impact. If

API Change Old value (520)	New value (520r)	Interfaces affected (520)	Interface (520r)	Method name	Rationale for change	Impact
0.0 (0.00)	(020.)				, manage	If keywords are not used: for optional arguments,
						add keyword. For required arguments, no impact. If
		22.5.5	24.5.5	ESMF_ArrayCreate	Conform to constants convention	keywords are used: search and replace. If keywords are not used: for optional arguments,
						add keyword. For required arguments, no impact. If
		22.5.6	24.5.6	ESMF_ArrayCreate	Conform to constants convention	keywords are used: search and replace.
						If keywords are not used: for optional arguments,
		22.5.7	04.5.7	FONE Asserta	Conform to accordants according	add keyword. For required arguments, no impact. If
		22.5.7	24.5.7	ESMF_ArrayCreate	Conform to constants convention	keywords are used: search and replace. If keywords are not used: for optional arguments,
						add keyword. For required arguments, no impact. If
		22.5.8	24.5.8	ESMF_ArrayCreate	Conform to constants convention	keywords are used: search and replace.
						If keywords are not used: for optional arguments,
		00.0.0	00.00	FOME I - Oliver Addition	0 - 1 1 1 1	add keyword. For required arguments, no impact. If
		26.3.6	28.3.6	ESMF_LocStreamAddKey	Conform to constants convention	keywords are used: search and replace. If keywords are not used: for optional arguments,
						add keyword. For required arguments, no impact. If
docopy	datacopyflag	23.3.7	25.3.7	ESMF_LocalArrayCreate	Conform to constants convention	keywords are used: search and replace.
						If keywords are not used: for optional arguments,
		22.2.40	25.2.40	FONE Leadleman Oct	Conform to annotante annualisa	add keyword. For required arguments, no impact. If
		23.3.10	25.3.10	ESMF_LocalArrayGet	Conform to constants convention	keywords are used: search and replace. If keywords are not used: for optional arguments,
						add keyword. For required arguments, no impact. If
		25.6.23	27.6.35	ESMf_GridGetCoord	Conform to constants convention	keywords are used: search and replace.
						If keywords are not used: for optional arguments,
		25.0.20	07.0.40	FONE OridOshkara	Conform to annotante annualisa	add keyword. For required arguments, no impact. If
		25.6.28	27.6.40	ESMF_GridGetItem	Conform to constants convention	keywords are used: search and replace. If keywords are not used: for optional arguments,
						add keyword. For required arguments, no impact. If
		25.6.33	27.6.44	ESMF_GridSetCoord	Conform to constants convention	keywords are used: search and replace.
						If keywords are not used: for optional arguments,
		05.0.07	07.0.45	FOME O HIGH WAY	0 - 1 1 1 1	add keyword. For required arguments, no impact. If
		25.6.37	27.6.45	ESMF_GridSetItem	Conform to constants convention	keywords are used: search and replace. If keywords are not used: for optional arguments,
						add keyword. For required arguments, no impact. If
terminationflag	endflag	14.4.2	14.4.2	ESMF_Finalize	Conform to constants convention	keywords are used: search and replace.
						If keywords are not used: for optional arguments,
defectal as Toron	la alcia della a	44.44	44.44	ECNAE Initialina	Conform to annotante annualisa	add keyword. For required arguments, no impact. If
defaultLogType	logkindflag	14.4.1	14.4.1	ESMF_Initialize	Conform to constants convention	keywords are used: search and replace. If keywords are not used: for optional arguments,
						add keyword. For required arguments, no impact. If
logtype	logkindflag	42.7.6	43.7.7	ESMF_LogOpen	Conform to constants convention	keywords are used: search and replace.
						If keywords are not used: for optional arguments,
moohl coation	maahlaa	20.6.26	22.6.42	ESME FieldCot	Conform to constants convention	add keyword. For required arguments, no impact. If
meshLocation	meshloc	20.6.26	22.0.42	ESMF_FieldGet	Conform to constants convention	keywords are used: search and replace. If keywords are not used: for optional arguments,
						add keyword. For required arguments, no impact. If
location	meshloc	20.6.16	22.6.14	ESMF_FieldCreate	Conform to constants convention	keywords are used: search and replace.
						If keywords are not used: for optional arguments,
		20.6.17	22.6.15	ESMF_FieldCreate	Conform to constants convention	add keyword. For required arguments, no impact. If keywords are used: search and replace.
		20.0.17	22.0.13	LSIVII _I leidCreate	Comorn to constants convention	If keywords are not used: for optional arguments,
						add keyword. For required arguments, no impact. If
		20.6.18	22.6.16	ESMF_FieldCreate	Conform to constants convention	keywords are used: search and replace.
						If keywords are not used: for optional arguments,
		20.6.19	22.6.17	ESMF FieldCreate	Conform to constants convention	add keyword. For required arguments, no impact. If keywords are used: search and replace.
		20.0.10	££.U.11	LOWII _I IGIOOTEALE	COMOTHI LO CONSIGNES CONVENIUM	If keywords are not used: for optional arguments,
						add keyword. For required arguments, no impact. If
		20.6.20	22.6.18	ESMF_FieldCreate	Conform to constants convention	keywords are used: search and replace.
						If keywords are not used: for optional arguments,
		20.6.26	22.6.42	ESMF_FieldGet	Conform to constants convention	add keyword. For required arguments, no impact. If keywords are used: search and replace.
		20.0.20	22.U.42		COMOUNT TO CONSTAINS CONVENTION	If keywords are used: search and replace.
						add keyword. For required arguments, no impact. If
dePinFlag	pinflag	43.6.1	44.6.4	ESMF_DELayoutCreate	Conform to constants convention	keywords are used: search and replace.
						If keywords are not used: for optional arguments,
		43.6.2	44.6.5	ESMF_DELayoutCreate	Conform to constants convention	add keyword. For required arguments, no impact. If keywords are used: search and replace.
		43.0.2	1 .∪.∪	_DLLayoutGreate	COMOUNT TO CONSTAINS CONVENTION	If keywords are used: search and replace.
						add keyword. For required arguments, no impact. If
		43.6.4	44.6.7	ESMF_DELayoutGet	Conform to constants convention	keywords are used: search and replace.
						If keywords are not used: for optional arguments,
regridPoleType	polemethod	20.7.11	22.8.11	ESMF_FieldRegridStore	Conform to constants convention	add keyword. For required arguments, no impact. If keywords are used: search and replace.
rognar die rype	polemetriou	20.7.11	££.U. I I	ZOWII _i leidi\egiluStole	COMOTHI to CONSTAINS CONVENTION	If keywords are not used: for optional arguments,
						add keyword. For required arguments, no impact. If
		19.7.10	21.5.22	ESMF_FieldBundleRegridStore	Conform to constants convention	keywords are used: search and replace.

API Change Old value (520)	New value (520r)	Interfaces affected (520)	Interface (520r)	Method name	Rationale for change	Impact
	, ,	,	, ,			If keywords are not used: for optional arguments, add keyword. For required arguments, no impact. If
zeroflag	zeroregion	19.7.8	21.5.20	ESMF_FieldBundleRegrid	Conform to constants convention	keywords are used: search and replace.
G						If keywords are not used: for optional arguments,
		10.7.11	24 5 25	FOME FieldDonadla CMAM	Conform to constants convention	add keyword. For required arguments, no impact. If keywords are used: search and replace.
		19.7.11	21.5.25	ESMF_FieldBundleSMM	Conform to constants convention	If keywords are used: search and replace.
						add keyword. For required arguments, no impact. If
		20.7.9	22.8.9	ESMF_FieldRegrid	Conform to constants convention	keywords are used: search and replace.
						If keywords are not used: for optional arguments, add keyword. For required arguments, no impact. If
		20.7.14	22.8.14	ESMF_FieldSMM	Conform to constants convention	keywords are used: search and replace.
						If keywords are not used: for optional arguments,
		21.5.16	23.5.22	ESMF_ArrayBundleSMM	Conform to constants convention	add keyword. For required arguments, no impact. If keywords are used: search and replace.
		21.5.10	23.3.22	L3WI _ArrayBuridie3WiW	Conform to constants convention	If keywords are not used: for optional arguments,
						add keyword. For required arguments, no impact. If
		22.5.32	24.5.32	ESMF_ArraySMM	Conform to constants convention	keywords are used: search and replace.
						If keywords are not used: for optional arguments, add keyword. For required arguments, no impact. If
commflag	routesyncflag	20.7.2	22.8.2	ESMF_FieldHalo	Conform to constants convention	keywords are used: search and replace.
						If keywords are not used: for optional arguments,
		22.5.20	24.5.20	ESMF ArrayHalo	Conform to constants convention	add keyword. For required arguments, no impact. If keywords are used: search and replace.
		22.0.20	24.0.20		Contoni to constante convention	If keywords are not used: for optional arguments,
						add keyword. For required arguments, no impact. If
		22.5.25	24.5.25	ESMF_ArrayRedist	Conform to constants convention	keywords are used: search and replace. If keywords are not used: for optional arguments,
						add keyword. For required arguments, no impact. If
		22.5.32	24.5.32	ESMF_ArraySMM	Conform to constants convention	keywords are used: search and replace.
						If keywords are not used: for optional arguments, add keyword. For required arguments, no impact. If
halostartregionflag	startregion	20.7.4	22.8.4	ESMF_FieldHaloStore	Conform to constants convention	keywords are used: search and replace.
	- Clark Ogran					If keywords are not used: for optional arguments,
		04.50	00.5.40	FOME A B III.II.II.O.	0	add keyword. For required arguments, no impact. If
		21.5.9	23.5.13	ESMF_ArrayBundleHaloStore	Conform to constants convention	keywords are used: search and replace. If keywords are not used: for optional arguments,
						add keyword. For required arguments, no impact. If
		22.5.22	24.5.22	ESMF_ArrayHaloStore	Conform to constants convention	keywords are used: search and replace.
						If keywords are not used: for optional arguments, add keyword. For required arguments, no impact. If
statetype	stateintent	17.7.6	17.7.6	ESMF StateCreate	Conform to constants convention	keywords are used: search and replace.
						If keywords are not used: for optional arguments,
		17.7.8	17.7.8	ESMF StateGet	Conform to constants convention	add keyword. For required arguments, no impact. If keywords are used: search and replace.
		17.7.0	17.7.0	LOWI _StateGet	Contoni to constants convention	If keywords are not used: for optional arguments,
	_		1			add keyword. For required arguments, no impact. If
blockingflag	syncflag	15.5.6	15.4.6	ESMF_GridCompFinalize	Conform to constants convention	keywords are used: search and replace. If keywords are not used: for optional arguments,
						add keyword. For required arguments, no impact. If
		15.5.9	15.4.9	ESMF_GridCompInitialize	Conform to constants convention	keywords are used: search and replace.
						If keywords are not used: for optional arguments, add keyword. For required arguments, no impact. If
		15.5.12	15.4.12	ESMF_GridCompReadRestart	Conform to constants convention	keywords are used: search and replace.
						If keywords are not used: for optional arguments,
		15.5.13	15.4.13	ESMF GridCompRun	Conform to constants convention	add keyword. For required arguments, no impact. If keywords are used: search and replace.
		10.0.10	10.4.10	GridCompRun	Comorni to constants convention	If keywords are used: search and replace. If keywords are not used: for optional arguments,
						add keyword. For required arguments, no impact. If
		15.5.25	15.4.25	ESMF_GridCompWait	Conform to constants convention	keywords are used: search and replace.
						If keywords are not used: for optional arguments, add keyword. For required arguments, no impact. If
		15.5.26	15.4.26	ESMF_GridCompWriteRestart	Conform to constants convention	keywords are used: search and replace.
						If keywords are not used: for optional arguments,
		16.4.6	16.4.6	ESMF_CplCompFinalize	Conform to constants convention	add keyword. For required arguments, no impact. If keywords are used: search and replace.
		101.10		_op.os.npi manzo	2 Sind in the constants delivering	If keywords are not used: for optional arguments,
		10.10	10.10	50M5 0 10 1 11 11	0. 16 1	add keyword. For required arguments, no impact. If
		16.4.9	16.4.9	ESMF_CplComplnitialize	Conform to constants convention	keywords are used: search and replace. If keywords are not used: for optional arguments,
						add keyword. For required arguments, no impact. If
		16.4.12	16.4.12	ESMF_CplCompReadRestart	Conform to constants convention	keywords are used: search and replace.
						If keywords are not used: for optional arguments, add keyword. For required arguments, no impact. If
		16.4.13	16.4.13	ESMF_CplCompRun	Conform to constants convention	keyword. For required arguments, no impact. If keywords are used: search and replace.
						If keywords are not used: for optional arguments,
			1			add keyword. For required arguments, no impact. If
		16.4.25	16.4.25	ESMF_CplCompWait	Conform to constants convention	keywords are used: search and replace.

API Change Old value (520)	New value (520r)	Interfaces affected (520)	Interface (520r)	Method name	Rationale for change	Impact
(/						If keywords are not used: for optional arguments,
						add keyword. For required arguments, no impact. If
		16.4.26	16.4.26	ESMF_CplCompWriteRestart	Conform to constants convention	keywords are used: search and replace.
						If keywords are not used: for optional arguments, add keyword. For required arguments, no impact. If
		44.5.4	45.5.4	ESMF_VMAllFullReduce	Conform to constants convention	keywords are used: search and replace.
						If keywords are not used: for optional arguments,
			1			add keyword. For required arguments, no impact. If
		44.5.5	45.5.5	ESMF_VMAllGather	Conform to constants convention	keywords are used: search and replace.
						If keywords are not used: for optional arguments, add keyword. For required arguments, no impact. If
		44.5.6	45.5.6	ESMF_VMAllGatherV	Conform to constants convention	keywords are used: search and replace.
						If keywords are not used: for optional arguments,
						add keyword. For required arguments, no impact. If
		44.5.7	45.5.7	ESMF_VMAllReduce	Conform to constants convention	keywords are used: search and replace.
						If keywords are not used: for optional arguments, add keyword. For required arguments, no impact. If
		44.5.8	45.5.8	ESMF_VMAIIToAIIV	Conform to constants convention	keywords are used: search and replace.
		1.1.000				If keywords are not used: for optional arguments,
						add keyword. For required arguments, no impact. If
		44.5.10	45.5.10	ESMF_VMBroadcast	Conform to constants convention	keywords are used: search and replace.
						If keywords are not used: for optional arguments, add keyword. For required arguments, no impact. If
		44.5.13	45.5.13	ESMF_VMGather	Conform to constants convention	keywords are used: search and replace.
					The state of the s	If keywords are not used: for optional arguments,
			1			add keyword. For required arguments, no impact. If
		44.5.20	45.5.20	ESMF_VMRecv	Conform to constants convention	keywords are used: search and replace.
						If keywords are not used: for optional arguments, add keyword. For required arguments, no impact. If
		44.5.21	45.5.21	ESMF_VMReduce	Conform to constants convention	keywords are used: search and replace.
		11.0.21	10.0.2	20111 201111 100000	Comon to constante convention	If keywords are not used: for optional arguments,
						add keyword. For required arguments, no impact. If
		44.5.22	45.5.22	ESMF_VMScatter	Conform to constants convention	keywords are used: search and replace.
						If keywords are not used: for optional arguments, add keyword. For required arguments, no impact. If
		44.5.24	45.5.24	ESMF VMSend	Conform to constants convention	keywords are used: search and replace.
						If keywords are not used: for optional arguments,
						add keyword. For required arguments, no impact. If
		44.5.25	45.5.25	ESMF_VMSendRecv	Conform to constants convention	keywords are used: search and replace.
						If keywords are not used: for optional arguments, add keyword. For required arguments, no impact. If
unmappedDstAction	unmappedaction	19.7.10	21.5.22	ESMF_FieldBundleRegridStore	Conform to constants convention	keywords are used: search and replace.
						If keywords are not used: for optional arguments,
						add keyword. For required arguments, no impact. If
		20.7.11	22.8.11	ESMF_FieldRegridStore	Conform to constants convention	keywords are used: search and replace.
						If keywords are not used: for optional arguments, add keyword. For required arguments, no impact. If
defaultCalendar	defaultCalKind	14.4.1	14.4.1	ESMF_Initialize	Conform to constants convention	keywords are used: search and replace.
						If keywords are not used: for optional arguments,
						add keyword. For required arguments, no impact. If
calendartype	calkindflag	36.5.8	37.5.4	ESMF_CalendarCreate	Conform to constants convention	keywords are used: search and replace. If keywords are not used: for optional arguments,
						add keyword. For required arguments, no impact. If
		36.5.12	37.5.8	ESMF_CalendarGet	Conform to constants convention	keywords are used: search and replace.
						If keywords are not used: for optional arguments,
		20.5.40	27.5.44	FOME Colones Co.	Conform to constant of the constant	add keyword. For required arguments, no impact. If
		36.5.16	37.5.11	ESMF_CalendarSet	Conform to constants convention	keywords are used: search and replace. If keywords are not used: for optional arguments,
						add keyword. For required arguments, no impact. If
		36.5.18	37.5.13	ESMF_CalendarSetDefault	Conform to constants convention	keywords are used: search and replace.
						If keywords are not used: for optional arguments,
		07.4.44	00.4.44	FOME Time O	0	add keyword. For required arguments, no impact. If
		37.4.11	38.4.11	ESMF_TimeGet	Conform to constants convention	keywords are used: search and replace.
						If keywords are not used: for optional arguments, add keyword. For required arguments, no impact. If
		37.4.15	38.4.15	ESMF_TimeSet	Conform to constants convention	keywords are used: search and replace.
				-		If keywords are not used: for optional arguments,
		20.4.46	20.4.40	FOME Timelette 10:1	Conform to constant of the constant	add keyword. For required arguments, no impact. If
		38.4.16	39.4.16	ESMF_TimeIntervalGet	Conform to constants convention	keywords are used: search and replace. If keywords are not used: for optional arguments,
						add keyword. For required arguments, no impact. If
		38.4.17	39.4.17	ESMF_TimeIntervalGet	Conform to constants convention	keywords are used: search and replace.
						If keywords are not used: for optional arguments,
		00.4.40	00.4.40	FOME The later along	0 - 1 1 1	add keyword. For required arguments, no impact. If
		38.4.18	39.4.18	ESMF_TimeIntervalGet	Conform to constants convention	keywords are used: search and replace. If keywords are not used: for optional arguments,
						add keyword. For required arguments, no impact. If
		38.4.19	39.4.19	ESMF TimeIntervalGet	Conform to constants convention	keywords are used: search and replace.

API Change						
Old value (520)	New value (520r)	Interfaces affected (520)	Interface (520r)	Method name	Rationale for change	Impact
· · ·		,	, ,			If keywords are not used: for optional arguments,
						add keyword. For required arguments, no impact.
		38.4.25	39.4.25	ESMF_TimeIntervalSet	Conform to constants convention	keywords are used: search and replace.
						If keywords are not used: for optional arguments, add keyword. For required arguments, no impact.
		39.5.8	40.5.8	ESMF_ClockGet	Conform to constants convention	keywords are used: search and replace.
		00.0.0	10.0.0	Zemi Zeledikedi	Comoni to constante convention	If keywords are not used: for optional arguments,
						add keyword. For required arguments, no impact.
item	itemflag	25.6.5	27.6.5	ESMF_GridAddItem	Conform to constants convention	keywords are used: search and replace.
						If keywords are not used: for optional arguments,
		25.6.28	27.6.40	ESME CridCatltam	Conform to constants convention	add keyword. For required arguments, no impact.
		25.0.26	27.0.40	ESMF_GridGetItem	Conform to constants convention	keywords are used: search and replace. If keywords are not used: for optional arguments,
						add keyword. For required arguments, no impact.
		25.6.29	27.6.41	ESMF_GridGetItem	Conform to constants convention	keywords are used: search and replace.
						If keywords are not used: for optional arguments,
		25.0.20	07.0.40	ECNAE OridOrallare	Conform to constants and conform	add keyword. For required arguments, no impact.
		25.6.30	27.6.42	ESMF_GridGetItem	Conform to constants convention	keywords are used: search and replace. If keywords are not used: for optional arguments,
						add keyword. For required arguments, no impact.
		25.6.37	27.6.45	ESMF_GridSetItem	Conform to constants convention	keywords are used: search and replace.
						If keywords are not used: for optional arguments,
						add keyword. For required arguments, no impact.
filetype	filetypeflag	27.4.8	29.4.8	ESMF_MeshCreate	Conform to constants convention	keywords are used: search and replace.
Arguments changed to Fortran list type						
						If keywords are not used there use an array
						constructor. If keywords are used, search and
<item></item>	<item>List</item>	17.7.16	17.7.15	ESMF_StateReplace	Consequence of the standard container behavior	replace the keyword name and use an array constructor.
- None	SILEMP LIST	17.7.10	17.7.13	_Staterreplace	Consequence of the standard container behavior	If keywords are not used there use an array
						constructor. If keywords are used, search and
					Conform to constants convention and provide	replace the keyword name and use an array
msgtype	logmsgList	42.7.9	43.7.10	ESMF_LogWrite	more flexibility	constructor.
						If keywords are not used there use an array
					Conform to constants convention and provide	constructor. If keywords are used, search and replace the keyword name and use an array
msgAllow	logmsgList	42.7.7	43.7.8	ESMF LogSet	more flexibility	constructor.
mog/ lilew	loginogelot	72.1.1	40.7.0	_Logoct	more nexibility	If keywords are not used there use an array
						constructor. If keywords are used, search and
		1	1		Conform to constants convention and provide	replace the keyword name and use an array
halt	logmsgAbort	42.7.7	43.7.8	ESMF_LogSet	more flexibility	constructor.
Named constant value changes						
ESMF GRID ARBDIM	ESMF DIM ARB	N/A	N/A	N/A	Conform to constants convention	Search and replace
ESMF LOG ERRPASS	ESMF LOGERR PASSTHRU	N/A	N/A	N/A	Conform to constants convention	Search and replace
20200_2 /.00	20111 _2002111 _1100111110		1 1117 (1071	Comorni to constante convention	Course and replace
ESMF_CAL_GREGORIAN	ESMF CALKIND GREGORIAN	N/A	N/A	N/A	Conform to constants convention	Search and replace
ESMF CAL JULIAN	ESMF CALKIND JULIAN	N/A	N/A	N/A	Conform to constants convention	Search and replace
ESMF_CAL_JULIANDAY	ESMF_CALKIND_JULIANDAY	N/A	N/A	N/A	Conform to constants convention	Search and replace
ESMF CAL MODJULIANDAY	ESMF CALKIND MODJULIANDAY	N/A	N/A	N/A	Conform to constants convention	Search and replace
ESMF CAL NOLEAP	ESMF CALKIND NOLEAP	N/A	N/A	N/A	Conform to constants convention	Search and replace
ESMF_CAL_360DAY	ESMF_CALKIND_360DAY	N/A	N/A	N/A	Conform to constants convention	Search and replace
ESMF_CAL_CUSTOM	ESMF_CALKIND_CUSTOM	N/A	N/A	N/A	Conform to constants convention	Search and replace
ESMF_CAL_NOCALENDAR	ESMF_CALKIND_NOCALENDAR	N/A	N/A	N/A	Conform to constants convention	Search and replace
ESMF_CHILD_IN_NEW_VM	ESMF_CONTEXT_OWN_VM	N/A	N/A	N/A	Conform to constants convention	Search and replace
ESMF_CHILD_IN_PARENT_VM	ESMF_CONTEXT_PARENT_VM	N/A	N/A	N/A	Conform to constants convention	Search and replace
ESMF_ATTCOPY_HYBRID	ESMF_COPY_REFERENCE	N/A	N/A	N/A	Conform to constants convention	Search and replace
ESMF_ATTCOPY_REFERENCE	ESMF_COPY_ALIAS	N/A	N/A	N/A	Conform to constants convention	Search and replace
ESMF_ATTCOPY_VALUE	ESMF_COPY_VALUE	N/A	N/A	N/A	Conform to constants convention	Search and replace
ESMF_DATA_VALUE	ESMF_DATACOPY_VALUE	N/A	N/A	N/A	Conform to constants convention	Search and replace
ESMF_DATA_REFERENCE	ESMF_DATACOPY_REFERENCE		N/A	N/A	Conform to constants convention	Search and replace
ESMF_DECOMP_HOMOGEN	ESMF_DECOMP_BALANCED	N/A	N/A	N/A	Conform to constants convention	Search and replace
ESMF_MODE_FORWARD	ESMF_DIRECTION_FORWARD	N/A	N/A	N/A	Conform to constants convention	Search and replace
ESMF_MODE_REVERSE	ESMF_DIRECTION_REVERSE	N/A	N/A	N/A	Conform to constants convention	Search and replace
ESMF_FINAL	ESMF_END_NORMAL	N/A	N/A	N/A	Conform to constants convention	Search and replace
ESMF_KEEPMPI	ESMF_END_KEEPMPI	N/A	N/A	N/A	Conform to constants convention	Search and replace
ESMF_ABORT	ESMF_END_ABORT	N/A	N/A	N/A	Conform to constants convention	Search and replace
ESMF_LOG_SINGLE	ESMF_LOGKIND_SINGLE	N/A	N/A	N/A	Conform to constants convention	Search and replace
ESMF_LOG_MULTI ESMF_LOG_NONE	ESMF_LOGKIND_MULTI ESMF_LOGKIND_NONE	N/A N/A	N/A N/A	N/A N/A	Conform to constants convention Conform to constants convention	Search and replace Search and replace
	ESMF_LOGKIND_NONE			N/A	Conform to constants convention	Search and replace
ESMF_LOG_INFO	ESIVIF_LUGIVISG_INFU	N/A	N/A	IN/A	CONIONI LO CONSTANTS CONVENTION	осатот апи теріасе

API Change	New value (F20r)	Interference officeted (FOO)	Interfece (E20r)	Mathad name	Detionals for shange	Immosé
Old value (520)	New value (520r)	Interfaces affected (520)	Interface (520r)	Method name	Rationale for change	Impact
ESMF_LOG_WARNING	ESMF_LOGMSG_WARNING	N/A	N/A	N/A	Conform to constants convention	Search and replace
ESMF_LOG_ERROR		N/A	N/A	N/A	Conform to constants convention	Search and replace
ESMF_SETFINAL		N/A	N/A	N/A	Conform to constants convention	Search and replace
ESMF_SETINIT		N/A	N/A	N/A	Conform to constants convention	Search and replace
ESMF_SETREADRESTART	ESMF_METHOD_READRESTART		N/A	N/A	Conform to constants convention	Search and replace
ESMF_SETRUN	ESMF_METHOD_RUN	N/A	N/A	N/A	Conform to constants convention	Search and replace
ESMF_SETWRITERESTART	ESMF_METHOD_WRITERESTART	N/A	N/A	N/A	Conform to constants convention	Search and replace
ESMF_DE_PIN_PET	ESMF_PIN_DE_TO_PET	N/A	N/A	N/A	Conform to constants convention	Search and replace
ESMF_DE_PIN_VAS	ESMF_PIN_DE_TO_VAS	N/A	N/A	N/A	Conform to constants convention	Search and replace
ESMF_REGRIDPOLE_NONE	ESMF_POLEMETHOD_NONE	N/A	N/A	N/A	Conform to constants convention	Search and replace
ESMF_REGRIDPOLE_ALLAVG	ESMF_POLEMETHOD_ALLAVG	N/A	N/A	N/A	Conform to constants convention	Search and replace
ESMF REGRIDPOLE NPNTAVG	ESMF POLEMETHOD NPNTAVG	N/A	N/A	N/A	Conform to constants convention	Search and replace
ESMF REGRIDPOLE TEETH	ESMF POLEMETHOD TEETH	N/A	N/A	N/A	Conform to constants convention	Search and replace
ESMF SUM	ESMF REDUCE SUM	N/A	N/A	N/A	Conform to constants convention	Search and replace
ESMF MIN	ESMF REDUCE MIN	N/A	N/A	N/A	Conform to constants convention	Manual replacement
ESMF MAX	ESMF REDUCE MAX	N/A	N/A	N/A	Conform to constants convention	Manual replacement
ESMF REGRID METHOD BILINEAR	ESMF REGRIDMETHOD BILINEAR		N/A	N/A	Conform to constants convention	Search and replace
			N/A	N/A		
ESMF_REGRID_METHOD_PATCH	ESMF_REGRIDMETHOD_PATCH				Conform to constants convention	Search and replace
ESMF_REGRID_METHOD_CONSERVE	ESMF_REGRIDMETHOD_CONSER		N/A	N/A	Conform to constants convention	Search and replace
ESMF_COMM_BLOCKING	ESMF_ROUTESYNC_BLOCKING		N/A	N/A	Conform to constants convention	Search and replace
ESMF_COMM_NBSTART		N/A	N/A	N/A	Conform to constants convention	Search and replace
ESMF_COMM_NBTESTFINISH	ESMF_ROUTESYNC_NBTESTFINIS		N/A	N/A	Conform to constants convention	Search and replace
ESMF_COMM_NBWAITFINISH	ESMF_ROUTESYNC_NBWAITFINIS		N/A	N/A	Conform to constants convention	Search and replace
ESMF_COMM_CANCEL	ESMF_ROUTESYNC_CANCEL	N/A	N/A	N/A	Conform to constants convention	Search and replace
ESMF_DELAYOUT_SERVICE_ACCEPT	ESMF_SERVICEREPLY_ACCEPT	N/A	N/A	N/A	Conform to constants convention	Search and replace
ESMF_DELAYOUT_SERVICE_DENY		N/A	N/A	N/A	Conform to constants convention	Search and replace
ESMF REGION EXCLUSIVE	ESMF STARTREGION EXCLUSIVE		N/A	N/A	Conform to constants convention	Search and replace
ESMF REGION COMPUTATIONAL	ESMF STARTREGION COMPUTA		N/A	N/A	Conform to constants convention	Search and replace
ESMF STATE IMPORT		N/A	N/A	N/A	Conform to constants convention	Search and replace
ESMF STATE EXPORT		N/A	N/A	N/A	Conform to constants convention	Search and replace
ESMF STATE UNSPECIFIED	ESMF STATEINTENT UNSPECIFIE		N/A	N/A	Conform to constants convention	·
						Search and replace
ESMF_BLOCKING	ESMF_SYNC_BLOCKING	N/A	N/A	N/A	Conform to constants convention	Search and replace
ESMF_VASBLOCKING		N/A	N/A	N/A	Conform to constants convention	Search and replace
ESMF_NONBLOCKING		N/A	N/A	N/A	Conform to constants convention	Search and replace
ESMF_MAJOR_VERSION		N/A	N/A	N/A	Conform to constants convention	Search and replace
ESMF_MINOR_VERSION		N/A	N/A	N/A	Conform to constants convention	Search and replace
ESMF_PATCHLEVEL	ESMF_VERSION_PATCHLEVEL	N/A	N/A	N/A	Conform to constants convention	Search and replace
ESMF_XGRID_SIDEA	ESMF_XGRIDSIDE_A	N/A	N/A	N/A	Conform to constants convention	Search and replace
ESMF_XGRID_SIDEB	ESMF_XGRIDSIDE_B	N/A	N/A	N/A	Conform to constants convention	Search and replace
ESMF XGRID BALANCED	ESMF XGRIDSIDE BALANCED	N/A	N/A	N/A	Conform to constants convention	Search and replace
Argument type changes						
FOME Otation	FOME FieldOtes - Fig. OF	NI/A	NI/A	N/A	One forms to annotate to the control of	Canada and and an
ESMF_Status	ESMF_FieldStatus_Flag OR	N/A	N/A	N/A	Conform to constants convention	Search and replace
	ESMF_GridStatus_Flag	N/A	N/A	N/A	Conform to constants convention	Search and replace
ESMF_AlarmList	ESMF_AlarmList_Flag	N/A	N/A	N/A	Conform to constants convention	Search and replace
ESMF_CalendarType	ESMF_CalKind_Flag	N/A	N/A	N/A	Conform to constants convention	Search and replace
ESMF_CompType	ESMF_CompType_Flag	N/A	N/A	N/A	Conform to constants convention	Search and replace
ESMF_ContextFlag	ESMF_Context_Flag	N/A	N/A	N/A	Conform to constants convention	Search and replace
ESMF_AttCopyFlag	ESMF_Copy_Flag	N/A	N/A	N/A	Conform to constants convention	Search and replace
ESMF_CopyFlag	ESMF_DataCopy_Flag	N/A	N/A	N/A	Conform to constants convention	Search and replace
ESMF DecompFlag	ESMF Decomp Flag	N/A	N/A	N/A	Conform to constants convention	Search and replace
ESMF_Direction		N/A	N/A	N/A	Conform to constants convention	Search and replace
ESMF DistGridMatch		N/A	N/A	N/A	Conform to constants convention	Search and replace
ESMF_TerminationFlag		N/A	N/A	N/A	Conform to constants convention	Search and replace
ESMF FileFormat			N/A	N/A		·
_	ESMF_FileFormat_Flag	N/A			Conform to constants convention	Search and replace
ESMF_GeomType	ESMF_GeomType_Flag	N/A	N/A	N/A	Conform to constants convention	Search and replace
ESMF_GridConn		N/A	N/A	N/A	Conform to constants convention	Search and replace
ESMF_GridItem	ESMF_GridItem_Flag	N/A	N/A	N/A	Conform to constants convention	Search and replace
ESMF_GridMatch	ESMF_GridMatch_Flag	N/A	N/A	N/A	Conform to constants convention	Search and replace
ESMF_Index		N/A	N/A	N/A	Conform to constants convention	Search and replace
ESMF_LogType		N/A	N/A	N/A	Conform to constants convention	Search and replace
ESMF_MsgType		N/A	N/A	N/A	Conform to constants convention	Search and replace
ESMF_Method		N/A	N/A	N/A	Conform to constants convention	Manual replacement
ESMF DePinFlag		N/A	N/A	N/A	Conform to constants convention	Search and replace
ESMF_PoleType		N/A	N/A	N/A	Conform to constants convention	Search and replace
ESMF RegridPole		N/A	N/A	N/A	Conform to constants convention	Search and replace
ESMF_ReduceFlag		N/A	N/A	N/A	Conform to constants convention	Search and replace
		N/A	N/A	N/A		
ESMF_RegridMethod					Conform to constants convention	Search and replace
ESMF_CommFlag ESMF_DELayoutServiceReply		N/A	N/A	N/A	Conform to constants convention	Search and replace
	ESMF_ServiceReply_Flag	N/A	N/A	N/A	Conform to constants convention	Search and replace

API Change						
Old value (520)	New value (520r)	Interfaces affected (520)	Interface (520r)	Method name	Rationale for change	Impact
ESMF HaloStartRegionFlag	ESMF StartRegion Flag	N/A	N/A	N/A	Conform to constants convention	Search and replace
ESMF StateType	ESMF StateIntent Flag	N/A	N/A	N/A	Conform to constants convention	Search and replace
ESMF StateItemType	ESMF StateItem Flag	N/A	N/A	N/A	Conform to constants convention	Search and replace
ESMF_BlockingFlag	ESMF Sync Flag	N/A	N/A	N/A	Conform to constants convention	Search and replace
ESMF_TypeKind	ESMF TypeKind Flag	N/A	N/A	N/A	Conform to constants convention	Search and replace
ESMF UnmappedAction	ESMF_UnmappedAction_Flag	N/A	N/A	N/A	Conform to constants convention	Search and replace
		N/A				
ESMF_XGridSide	ESMF_XGridSide_Flag	N/A	N/A	N/A	Conform to constants convention	Search and replace
Arguments added						
N/A	importState	15.5.7	15.4.7	ESMF GridCompGet	Necessary for some uses of Attachable Methods	No impact
N/A	exportState	15.5.7	15.4.7	ESMF GridCompGet	Necessary for some uses of Attachable Methods	
IN/A	exportotate	15.5.7	15.4.7	ESIMF_GIIdCompGet	Allows for the determination of the presence of	No impact
N/A	gridIsPresent	15.5.7	15.4.7	ESMF_GridCompGet	potentially undefined information	No impact
N/A	importStateIsPresent	15.5.7	15.4.7	ESMF_GridCompGet	Allows for the determination of the presence of potentially undefined information	No impact
N/A	exportStateIsPresent	15.5.7	15.4.7	ESMF_GridCompGet	Allows for the determination of the presence of	No import
N/A	exportotateisFresent	15.5.7	15.4.7	ESMF_GridCompGet	potentially undefined information Allows for the determination of the presence of	No impact
N/A	configlsPresent	15.5.7	15.4.7	ESMF_GridCompGet	potentially undefined information	No impact
N/A		16.4.7	16.4.7	ESMF_CplCompGet	Allows for the determination of the presence of potentially undefined information	No impact
					Allows for the determination of the presence of	
N/A	configFileIsPresent	15.5.7	15.4.7	ESMF_GridCompGet	potentially undefined information Allows for the determination of the presence of	No impact
N/A		16.4.7	16.4.7	ESMF_CplCompGet	potentially undefined information	No impact
N/A	clockIsPresent	15.5.7	15.4.7	ESMF GridCompGet	Allows for the determination of the presence of potentially undefined information	No impact
					Allows for the determination of the presence of	
N/A		16.4.7	16.4.7	ESMF_CplCompGet	potentially undefined information	No impact
N/A	multiflag	19.6.5	21.5.4	ESMF_FieldBundleAdd	Support multiple items with the same name	No impact
N/A		19.6.6	21.5.6	ESMF_FieldBundleCreate	Support multiple items with the same name	No impact
N/A		21.5.4	23.5.6	ESMF_ArrayBundleCreate	Support multiple items with the same name	No impact
N/A	relaxedflag	19.6.5	21.5.4	ESMF_FieldBundleAdd	Relax condition under which rc\=ESMF_SUCCESS is returned	No impact
	Totalounug				Relax condition under which	
N/A		19.6.6	21.5.6	ESMF_FieldBundleCreate	rc\=ESMF_SUCCESS is returned Relax condition under which	No impact
N/A		21.5.4	23.5.6	ESMF_ArrayBundleCreate	rc\=ESMF_SUCCESS is returned	No impact
N/A	fieldList	19.6.12	21.5.10	ESMF_FieldBundleGet	Allows getting the entire fieldList	No impact
N/A	fieldCount	19.6.13	21.5.8	ESMF_FieldBundleGet	Multiflag requires that the number of fields with a certain name can be queried	No impact
					Multiflag requires that the presence of a field with	
N/A	isPresent	19.6.13	21.5.8	ESMF_FieldBundleGet	a certain name can be queried Address a common use case which requires that	No impact
N/A		33.9.7	35.10.7	ESMF_AttributeGet	the presence of an Attribute can be queried	No impact
N/A		33.9.8	35.10.8	ESMF_AttributeGet	Address a common use case which requires that the presence of an Attribute can be queried	No impact
					Address a common use case which requires that	
N/A		33.9.10	35.10.10	ESMF_AttributeGet	the presence of an Attribute can be queried	No impact Change the name of the keyword from "iscommited"
					Consistently provide partial creation status	to "status", change the argument type, and deal with
N/A	status	20.6.26	22.6.42	ESMF_FieldGet	through an overloaded Get interface Consistently provide partial creation status	fallout Change from using ESMF_GridGetStatus() to using
N/A		25.6.18	27.6.30	ESMF_GridGet	through an overloaded Get interface	ESMF_GridGet() with a "status" argument
N/A	arrayNameList	21.5.6	23.5.10	ESMF_ArrayBundleGet	Make consistent with FieldBundle	No impact
N/A	coordSys	25.6.9	27.6.12	ESMF_GridCreate	Allow user to describe the coordinate system of the Grid	No impact
	•				Allow XGrid to be created without needing sparse	·
N/A	sideAToXGridScheme	28.5.4	30.6.4	ESMF_XGridCreate	matrix parameters Allow XGrid to be created without needing sparse	No impact
N/A	sideBToXGridScheme	28.5.4	30.6.4	ESMF_XGridCreate	matrix parameters	No impact
N/A	sideAPriority	28.5.4	30.6.4	ESMF_XGridCreate	Allow XGrid to be created without needing sparse matrix parameters	No impact
N/A	sideBPriority	28.5.4	30.6.4	ESMF_XGridCreate	Allow XGrid to be created without needing sparse matrix parameters	No impact
					Allow XGrid to be created without needing sparse	
N/A	sideAMaskValues	28.5.4	30.6.4	ESMF_XGridCreate	matrix parameters Allow XGrid to be created without needing sparse	No impact
N/A	sideBMaskValues	28.5.4	30.6.4	ESMF_XGridCreate	matrix parameters	No impact
N/A	storeOverlay	28.5.4	30.6.4	ESMF_XGridCreate	Allow XGrid to be created without needing sparse matrix parameters	No impact
N/A	offline	28.5.4	30.6.4	ESMF_XGridCreate	Allow XGrid to be created without needing sparse matrix parameters	No impact
					Address a common use case which requires	
N/A	convention	33.9.10	35.10.10	ESMF_AttributeGet	getting Attribute package information by name	No impact

API Change						
Old value (520)	New value (520r)	Interfaces affected (520)	Interface (520r)	Method name	Rationale for change	Impact
()					Address a common use case which requires	
N/A	purpose	33.9.10	35.10.10	ESMF_AttributeGet	getting Attribute package information by name	No impact
					Address a common use case which requires	
N/A	attPackInstanceName	33.9.10	35.10.10	ESMF_AttributeGet	getting Attribute package information by name	No impact
N/A	trace	42.7.7	42.7.8	ESMF_LogSet	New functionality for debugging	No impact
Arguments removed						
/ agamente remeved						
					Favor array sublist approach to specify a reduced	
count	N/A	17.7.5	17.7.4	ESMF_StateAdd	number of items added to a State	Use sublists
				=0.45 0.40	Removed the ability to have a placeholders in a	
nameList	N/A	17.7.6	17.7.6	ESMF_StateCreate	State Favor path syntax to specify a nested State item	Use an empty Field or FieldBundle instead
nestedStateName	N/A	17.7.9	17.7.9	ESMF StateGet	at any depth	Use the appropriate path syntax
notice that is	147.			_otatooot	Favor array sublist approach to specify a reduced	oce and appropriate pain symax
fieldCount	N/A	19.6.5	21.5.4	ESMF_FieldBundleAdd	number of Fields added to a FieldBundle	Use sublists
					Favor array sublist approach to specify a	
	N/A	10.00	04.5.0	FOME FieldDonadleCounts	FieldBundle created with a reduced number of	Line authliate
nackflag	N/A N/A	19.6.6 19.6.6	21.5.6 21.5.6	ESMF_FieldBundleCreate ESMF_FieldBundleCreate	Fields Remove pop implemented argument	Use sublists
packflag	IVA	13.0.0	21.0.0		Remove non-implemented argument Information is redundant with that found in the	No impact
regridScheme	N/A	19.7.10	21.5.22	ESMF_FieldBundleRegridStore	Grid	Specify information when creating Grid
					Information is redundant with that found in the	
	N/A	20.7.11	22.8.11	ESMF_FieldRegridStore	Grid	Specify information when creating Grid
					Consistantly provide partial areation status	Change the name of the keyword from "iscommited"
isCommitted	N/A	20.6.26	22.6.42	ESMF_FieldGet	Consistently provide partial creation status through an overloaded Get interface	to "status", change the argument type, and deal with fallout
		25.5.25			Favor array sublist approach to specify a reduced	
arrayCount	N/A	21.5.4	23.5.6	ESMF_ArrayBundleCreate	number of Arrays added to an ArrayBundle	Use sublists
name	N/A	23.3.9	25.3.9	ESMF_LocalArrayGet	Remove non-implemented argument	No impact
totalLWidth	N/A	25.6.4	27.6.4	ESMF_GridAddCoord	Remove non-implemented argument	No impact
	N/A	25.6.5	27.6.5	ESMF_GridAddItem	Remove non-implemented argument	No impact
totalUWidth	N/A	25.6.4	27.6.4	ESMF_GridAddCoord	Remove non-implemented argument	No impact
	N/A	25.6.5	27.6.5	ESMF_GridAddItem	Remove non-implemented argument	No impact
destroyDistGrid, destroyDELayout	N/A	25.6.6	27.6.6	ESMF_GridCreate	Replaced by automatic garbage collection	No impact
	N/A	25.6.8	27.6.11	ESMF_GridCreate	Replaced by automatic garbage collection	No impact
docopy	N/A N/A	25.6.9 25.6.33	27.6.12 27.6.44	ESMF_GridCreate ESMF_GridSetCoordFromArray	Replaced by automatic garbage collection Remove non-implemented argument	No impact No impact
docopy	N/A	25.6.37	27.6.45	ESMF GridSetItemFromArray	Remove non-implemented argument	No impact
	1071	20.0.01	27.00.10	_ondoomonii rona aray	Tromove non implemented digenion	The impact
Arguments changed from positional to optional						
					Default behavior is correct for currently supported	
vm	N/A	17.7.18	17.7.13	ESMF_StateReconcile	mode of operation	No impact
fieldList	N/A	19.6.6	21.5.6	ESMF_FieldBundleCreate	Allow creation of empty FieldBundles	Add keyword enforcer
field	N/A	19.6.3	21.5.8	ESMF_FieldBundleGet	Allow retrieval of individual pieces of information	Add keyword enforcer
lacelDe manual offen have and auforese	N/A	20.0.27	22.6.43	FONE FieldOst	Consistency with ESMF_ArrayGet() and	Add hermand and area
localDe moved after keyword enforcer	N/A N/A	20.6.27 21.5.4	23.5.6	ESMF_FieldGet ESMF_ArrayBundleCreate	ESMF_GridGetCoord()	Add keyword enforcer Add keyword enforcer
arrayList alarmList	N/A	39.5.10	40.5.10	ESMF ClockGetAlarmList	Allow creation of empty ArrayBundle Allow retrieval of individual pieces of information	Add keyword enforcer
alarmCount	N/A	39.5.10	40.5.10	ESMF ClockGetAlarmList	Allow retrieval of individual pieces of information	Add keyword enforcer
damoodik	147.	00.0.10	10.0.10	_olookoov kalillelot	Allow reuse of an optional dummy variable as the	riad not more officion
rcToCheck	N/A	42.7.5	43.7.6	ESMF_LogFoundError	actual rcToCheck argument	No impact
Arguments with intent changes						
intent(inout) fieldList	intent(in) fieldList			ESMF_FieldBundleAdd	consistently document the intent of the argument	
no intent - fieldList	intent(in) fieldList			ESMF_FieldBundleCreate	consistently document the intent of the argument	
intent(inout) fieldbundle	intent(in) fieldbundle			ESMF_FieldBundleRead	consistently document the intent of the argument	
intent(inout) srcFieldBundle	intent(in) srcFieldBundle	19.7.10	21.5.22	ESMF_FieldBundleRegridStore	consistently document the intent of the argument	
intent(inout) arrayspec	intent(in) arrayspec	20.6.7	22.6.5	ESMF_FieldCreate	consistently document the intent of the argument	
		20.6.12	22.6.10 22.6.15	ESMF_FieldCreate	consistently document the intent of the argument consistently document the intent of the argument	
		20.6.17 20.6.22	22.6.15	ESMF_FieldCreate ESMF_FieldCreate	consistently document the intent of the argument consistently document the intent of the argument	
no intent - farray	intent(in) farray	20.6.22	22.6.7	ESMF_FieldCreate	consistently document the intent of the argument	
no ment - iairay	menum iandy	20.6.14	22.6.12	ESMF_FieldCreate	consistently document the intent of the argument	
		20.6.19	22.6.17	ESMF_FieldCreate	consistently document the intent of the argument	
		20.6.24	22.6.22	ESMF FieldCreate	consistently document the intent of the argument	
intent(inout) grid	intent(in) grid	20.6.29	22.7.1	ESMF GridGetFieldBounds	consistently document the intent of the argument	
intent(inout) locstream	intent(in) locstream	20.6.30	22.7.2	ESMF LocStreamGetFieldBounds	consistently document the intent of the argument	
intent(inout) mesh	intent(in) mesh	20.6.31	22.7.3	ESMF_MeshGetFieldBounds	consistently document the intent of the argument	No impact
intent(inout) xgrid	intent(in) xgrid	20.6.32	22.7.4	ESMF XGridGetFieldBounds	consistently document the intent of the argument	No impact

API Change						
Old value (520)	New value (520r)	Interfaces affected (520)	Interface (520r)	Method name	Rationale for change	Impact
, ,	1 1			ESMF_FieldGather	-	-
intent(inout) field	intent(in) field	20.7.1	22.8.1		consistently document the intent of the argument	No impact
intent(inout) srcField	intent(in) srcField	20.7.5	22.8.5	ESMF_FieldRedist	consistently document the intent of the argument	No impact
		20.7.7	22.8.7	ESMF_FieldRedistStore	consistently document the intent of the argument	No impact
		20.7.8	22.8.8	ESMF_FieldRedistStore	consistently document the intent of the argument	No impact
intent(inout) srcfield	intent(in) srcField	20.7.9	22.8.9	ESMF_FieldRegrid	consistently document the intent of the argument	No impact
		20.7.11	22.8.11	ESMF_FieldRegridStore	consistently document the intent of the argument	No impact
		20.7.12	22.8.12	ESMF_FieldRegridStore	consistently document the intent of the argument	No impact
intent(inout) xgrid	intent(in) xgrid	20.7.12	22.8.12	ESMF_FieldRegridStore	consistently document the intent of the argument	No impact
intent(inout) srcfield	intent(in) srcField	20.7.14	22.8.14	ESMF FieldSMM	consistently document the intent of the argument	No impact
intent(inout) sicileia	intent(iii) sioi iela	20.7.16	22.8.16			· ·
				ESMF_FieldSMMStore	consistently document the intent of the argument	No impact
		20.7.17	22.8.17	ESMF_FieldSMMStore	consistently document the intent of the argument	No impact
intent(inout) arrayList	intent(out) arrayList	21.5.6	23.5.9	ESMF_ArrayBundleGet	consistently document the intent of the argument	No impact
intent(in) arraybundle	intent(inout) arraybundle	21.5.11	23.5.15	ESMF_ArrayBundleRead	consistently document the intent of the argument	change intent on variable in user code
intent(inout) arrayspec	intent(in) arrayspec	24.5.1	26.5.4	ESMF_ArraySpecGet	consistently document the intent of the argument	No impact
		24.5.4	26.5.5	ESMF_ArraySpecPrint	consistently document the intent of the argument	No impact
		24.5.3	26.5.7	ESMF ArraySpecValidate	consistently document the intent of the argument	No impact
intent(inout) arrayspec	intent(out) arrayspec	24.5.2	26.5.6	ESMF_ArraySpecSet	consistently document the intent of the argument	No impact
intent(inout) calendar	intent(in) calendar	36.5.12	37.5.8	ESMF_CalendarGet	consistently document the intent of the argument	No impact
intent(inlout) calcilual						· ·
	intent(in) calendar	36.5.13	37.5.9	ESMF_CalendarIsLeapYear	consistently document the intent of the argument	No impact
	intent(in) calendar	36.5.15	37.5.10	ESMF_CalendarPrint	consistently document the intent of the argument	No impact
	intent(in) calendar	36.5.20	37.5.15	ESMF_CalendarValidate	consistently document the intent of the argument	No impact
intent(inout) time	intent(in) time	37.4.11	38.4.11	ESMF_TimeGet	consistently document the intent of the argument	No impact
		37.4.12	38.4.12	ESMF_TimeIsLeapYear	consistently document the intent of the argument	No impact
		37.4.14	38.4.14	ESMF_TimePrint	consistently document the intent of the argument	No impact
		37.4.17	38.4.17	ESMF_TimeValidate	consistently document the intent of the argument	No impact
intent(inout) time1	intent(in) time1	37.4.13	38.4.13	ESMF TimelsSameCalendar	consistently document the intent of the argument	No impact
						· ·
intent(inout) time2	intent(in) time2	37.4.13	38.4.13	ESMF_TimeIsSameCalendar	consistently document the intent of the argument	No impact
intent(inout) timeinterval	intent(in) timeinterval	38.4.16	39.4.16	ESMF_TimeIntervalGet	consistently document the intent of the argument	No impact
		38.4.17	39.4.17	ESMF_TimeIntervalGet	consistently document the intent of the argument	No impact
		38.4.18	39.4.18	ESMF_TimeIntervalGet	consistently document the intent of the argument	No impact
		38.4.19	39.4.19	ESMF_TimeIntervalGet	consistently document the intent of the argument	No impact
		38.4.20	39.4.20	ESMF_TimeIntervalNegAbsValue	consistently document the intent of the argument	No impact
		38.4.21	39.4.21	ESMF_TimeIntervalPrint	consistently document the intent of the argument	No impact
		38.4.26	39.4.26	ESMF TimeIntervalValidate	consistently document the intent of the argument	No impact
intent/ineut) startTimeIn	intent/in) startTime.ln			ESMF TimeIntervalGet	-	· ·
intent(inout) startTimeIn	intent(in) startTimeIn	38.4.17	39.4.17		consistently document the intent of the argument	No impact
intent(inout) clock	intent(in) clock	39.5.9	40.5.9	ESMF_ClockGetAlarm	consistently document the intent of the argument	No impact
		39.5.21	40.5.21	ESMF_ClockValidate	consistently document the intent of the argument	No impact
intent(inout) timeStep	intent(in) timeStep	39.5.11	40.5.11	ESMF_ClockGetNextTime	consistently document the intent of the argument	No impact
		39.5.17	40.5.17	ESMF_ClockSet	consistently document the intent of the argument	No impact
intent(inout) startTime	intent(in) startTime	39.5.17	40.5.17	ESMF_ClockSet	consistently document the intent of the argument	No impact
intent(inout) stopTime	intent(in) stopTime	39.5.17	40.5.17	ESMF ClockSet	consistently document the intent of the argument	No impact
intent(inout) runDuration	intent(in) runDuration	39.5.17	40.5.17	ESMF_ClockSet	consistently document the intent of the argument	No impact
intent(inout) refTime	intent(in) refTime	39.5.17	40.5.17	ESMF ClockSet	consistently document the intent of the argument	No impact
						· ·
intent(inout) currTime	intent(in) currTime	39.5.17	40.5.17	ESMF_ClockSet	consistently document the intent of the argument	No impact
intent(inout) alarm	intent(in) alarm	40.6.9	41.6.9	ESMF_AlarmGet	consistently document the intent of the argument	No impact
		40.6.10	41.6.10	ESMF_AlarmIsEnabled	consistently document the intent of the argument	No impact
		40.6.11	41.6.11	ESMF_AlarmIsRinging	consistently document the intent of the argument	No impact
		40.6.12	41.6.12	ESMF AlarmIsSticky	consistently document the intent of the argument	No impact
		40.6.14	41.6.14	ESMF_AlarmPrint	consistently document the intent of the argument	No impact
		40.6.19	41.6.19	ESMF AlarmValidate	consistently document the intent of the argument	No impact
		40.6.20	41.6.20	ESMF AlarmWasPrevRinging	consistently document the intent of the argument	No impact
					-	
		40.6.21	41.6.21	ESMF_AlarmWillRingNext	consistently document the intent of the argument	INO IMPACI
positional arguments reordered						
farrayPtr, distgrid,	distgrid, farrayPtr,	22.5.4	24.5.4	ESMF_ArrayCreateFromPtr	Consistency with ESMF_FieldCreate()	Change argument ordering or use keywords
farrayPtr, distgrid,	distgrid, farrayPtr,	22.5.5	24.5.5	ESMF ArrayCreateFromPtrArb	Consistency with ESMF_FieldCreate()	Change argument ordering or use keywords
farray, distgrid,	distgrid, farray,	22.5.6	24.5.6	ESMF_ArrayCreateAssmdShape	Consistency with ESMF_FieldCreate()	Change argument ordering or use keywords
localarrayList, distgrid,	distgrid, localarrayList,	22.5.7	24.5.7	ESMF_ArrayCreateLocalArray	Consistency with ESMF_FieldCreate()	Change argument ordering or use keywords
localarrayList, distgrid,	distgrid, localarrayList,	22.5.8	24.5.8	ESMF_ArrayCreateLocalArrayArb	Consistency with ESMF_FieldCreate()	Change argument ordering or use keywords
typekind, distgrid,	distgrid, typekind,	22.5.9	24.5.9	ESMF_ArrayCreateAllocate	Consistency with ESMF_FieldCreate()	Change argument ordering or use keywords
typekind, distgrid,	distgrid, typekind,	22.5.10	24.5.10	ESMF_ArrayCreateAllocateArb	Consistency with ESMF_FieldCreate()	Change argument ordering or use keywords
arrayspec, distgrid,	distgrid, arrayspec,	22.5.11	24.5.11	ESMF_ArrayCreateAllocateAS	Consistency with ESMF_FieldCreate()	Change argument ordering or use keywords
arrayspec, distgrid,	distgrid, arrayspec,	22.5.12	24.5.12	ESMF_ArrayCreateAllocateASArb	Consistency with ESMF FieldCreate()	Change argument ordering or use keywords
	distgrid, distgridToGridMap,,				Consistency with other ESMF_GridCreate()	2g. argament erasting of doc keywords
coordTypeKind, distgrid, distgridToGridMap,	coordTypeKind,	25.6.8	27.6.11	ESMF GridCreateFrmDistGrid	interfaces	Change argument ordering or use keywords
, portana, aloigna, aloigna i o onalilap,	distgrid, indexArray,,	_5.5.5			Consistency with other ESMF_GridCreate()	g_ argament erasting of doc neywords
coordTypeKind, distgrid, indexArray,	coordTypeKind,	25.6.9	27.6.12	ESMF_GridCreateFrmDistGridArb	interfaces	Change argument ordering or use keywords
social portina, aloigna, macAntay,	scora i yporana,	_5.0.0		_ondorcater implatoridatio		Sharige digunions ordering of use keywords
1.0.6						-
Interface name changes						

API Change	N	1.1.2.2	L. (N. 6 1	D. C. and	I was at
Old value (520)	New value (520r)	Interfaces affected (520)	Interface (520r)	Method name	Rationale for change	Impact
ESMF_FieldGet	ESMF_GridGetFieldBounds	20.6.29	22.7.1	ESMF_GridGetFieldBounds	Conform to standard method naming convention	Manually replace method names
ESMF FieldGet	ESMF LocStreamGetFieldBounds	20.6.30	22.7.2	ESMF LocStreamGetFieldBounds	Conform to standard method naming convention	Manually replace method names
ESMF FieldGet	ESMF MeshGetFieldBounds	20.6.31	22.7.3	ESMF_MeshGetFieldBounds	Conform to standard method naming convention	Manually replace method names
ESMF_FieldGet	ESMF XGridGetFieldBounds	20.6.32	22.7.4	ESMF_XGridGetFieldBounds	Conform to standard method naming convention	Manually replace method names
LOWII _1 ICIGOCE	ZONII _XONGOCII ICIGEOGIIGO	20.0.02	LL.1.4	ZOMI _XONGOCI ICIGEOGRIGO	Contorn to standard metrica harning convention	Search and replace on method name, change type of
ESMF_DistGridConnection	ESMF_DistGridConnectionSet	29.5.18	31.7.1	ESMF_DistGridConnectionSet	DistGridConnection was changed to a class	first argument, and deal with fallout
Interfaces added						
						ESMF StateAddReplace() provides the functionality
N/A	ESMF_StateAddReplace	N/A	17.7.5	ESMF StateAddReplace	Support for a standard container user interface	previously supported by ESMF_StateAdd()
N/A	ESMF FieldBundleAddReplace	N/A	21.5.5	ESMF_FieldBundleAddReplace	Support for a standard container user interface	No impact
N/A	ESMF FieldBundleGet	N/A	21.5.9	ESMF FieldBundleGet	Support for a standard container user interface	No impact
			2110.0		Support for a standard partial creation user	ESMF_FieldEmptyComplete() provides the functionality previously supported by
N/A	ESMF_FieldEmptyComplete(12)	N/A	22.6.25-36	ESMF_FieldEmptyComplete(12)	interface	ESMF_FieldSetCommit()
N/A	ESMF_FieldEmptyCreate	N/A	22.6.37	ESMF_FieldEmptyCreate	Support for a standard partial creation user interface	ESMF_FieldEmptyCreate() provides the functionality previously provided by ESMF_FieldCreateEmpty()
					Support for a standard partial creation user	
N/A	ESMF_FieldEmptySet(4)	N/A	22.6.38-41	ESMF_FieldEmptySet(4)	interface	No impact
N/A	ESMF_ArrayBundleAdd	N/A	23.5.4	ESMF_ArrayBundleAdd	Support for a standard container user interface	No impact
N/A	ESMF ArrayBundleAddReplace	N/A	23.5.5	ESMF ArrayBundleAddReplace	Support for a standard container user interface	No impact
N/A	ESMF ArrayBundleGet	N/A	23.5.8	ESMF_ArrayBundleGet	Support for a standard container user interface	No impact
N/A	ESMF ArrayBundleGet	N/A	23.5.9	ESMF ArrayBundleGet	Support for a standard container user interface	No impact
						· · · · · · · · · · · · · · · · · · ·
N/A	ESMF_ArrayBundleRemove	N/A	23.5.20	ESMF_ArrayBundleRemove	Support for a standard container user interface	No impact
N/A	ESMF_ArrayBundleReplace	N/A	23.5.21	ESMF_ArrayBundleReplace	Support for a standard container user interface Clearly define behavior of assignment and	No impact
N/A	ESMF_ArraySpecAssignment	N/A	26.5.1	ESMF_ArraySpecAssignment	comparison	No impact
N/A	ESMF_ArraySpecOperator(==)	N/A	26.5.2	ESMF_ArraySpecOperator(==)	Clearly define behavior of assignment and comparison	No impact
		N/A	00.50		Clearly define behavior of assignment and	
N/A	ESMF_ArraySpecOperator(/=)	N/A	26.5.3	ESMF_ArraySpecOperator(/=)	comparison	No impact ESMF_GridCreate() provides the functionality previously supported by
N/A	ESMF GridCreate	N/A	27.6.8-10	ESMF GridCreate	Consistency with standard grid user interface	ESMF_GridCreateShapeTile()
N/A	ESMF GridCreate1PeriDim	N/A	27.6.16-18	ESMF GridCreate1PeriDim	Allow easy specification of connections	No impact
						· · · · · · · · · · · · · · · · · · ·
N/A	ESMF_GridCreate2PeriDim	N/A	27.6.19-21	ESMF_GridCreate2PeriDim	Allow easy specification of connections	No impact
N/A	ESMF_GridCreateNoPeriDim	N/A	27.6.22-24	ESMF_GridCreateNoPeriDim	Allow easy specification of connections	No impact
N/A	ESMF_GridEmptyCreate	N/A	27.6.29	ESMF_GridEmptyCreate	Support for a standard partial creation user interface	ESMF_GridEmptyCreate() provides the functionality previously supported by ESMF_GridCreateEmpty()
					Support for a standard partial creation user	ESMF_GridEmptyComplete() provides the functionality previously supported by
N/A	ESMF_GridEmptyComplete	N/A	27.6.26-28	ESMF_GridEmptyComplete	interface Clearly define behavior of assignment and	ESMF_GridSetCommitShapeTile()
N/A	ESMF_ConfigAssignment	N/A	42.3.1	ESMF_ConfigAssignment	comparison	No impact
N/A	ESMF_LogAssignment	N/A	43.7.1	ESMF_LogAssignment	Clearly define behavior of assignment and comparison	No impact
					Clearly define behavior of assignment and	
N/A	ESMF_DELayoutAssignment	N/A	44.6.1	ESMF_DELayoutAssignment	comparison Clearly define behavior of assignment and	No impact
N/A	ESMF_DELayoutOperator(==)	N/A	44.6.2	ESMF_DELayoutOperator(==)	comparison	No impact
N/A	ESMF_DELayoutOperator(/=)	N/A	44.6.3	ESMF_DELayoutOperator(/=)	Clearly define behavior of assignment and comparison	No impact
Interfaces removed						
ESMF_StateAdd	N/A	17.7.4	N/A	ESMF StateAdd	Remove single item container calls	Use array constructor notation to add single items
ESMF StateGetNeeded	N/A	17.7.11	N/A	ESMF StateGetNeeded	Unclear usage pattern	Use Attributes attached to a State
ESMF StateSetreeded	N/A	17.7.12	N/A	ESMF StateIsNeeded		Use Attributes attached to a State
					Unclear usage pattern	
ESMF_StateSetNeeded	N/A	17.7.19	N/A	ESMF_StateSetNeeded	Unclear usage pattern	Use Attributes attached to a State
ESMF_FieldBundleAdd	N/A	19.6.4	N/A	ESMF_FieldBundleAdd	Remove single item container calls	Use array constructor notation to add single items
					Removal of Grid/LocStream/Mesh/XGrid from FieldBundle as well as the addition of optional fieldList to FieldBundleCreate made these	
ESMF_FieldBundleCreate (4)	N/A	19.6.7-10	N/A	ESMF_FieldBundleCreate (4)	interfaces have overlapping functionality	Remove Grid/LocStream/Mesh/XGrid argument
ESMF_FieldBundleGet	N/A	19.6.14	N/A	ESMF_FieldBundleGet	Unsupported access method	Use name lookup, or retrieve entire fieldList and iterate to the position of interest
ESMF_FieldCreateEmpty	N/A	20.6.4	N/A	ESMF_FieldCreateEmpty	Renamed based on new partial creation implementation	Use ESMF FieldEmptyCreate()
					Renamed based on new partial creation	
ESMF_FieldSetCommit (8)	N/A	20.6.35-42	N/A	ESMF_FieldSetCommit (8)	implementation Renamed based on new partial creation	Use ESMF_FieldEmptyComplete()
ESMF_GridCreateEmpty	N/A	25.6.13	N/A	ESMF_GridCreateEmpty	implementation	Use ESMF_GridEmptyCreate()

API Change	New value (520r)	Interfaces affected (520)	Interface (520r)	Method name	Rationale for change	Impact
Old value (520)						
ESMF GridCreateShapeTile (3)	N/A	25.6.14-16	N/A	ESMF_GridCreateShapeTile (3)	Renamed based on new shortcut creation implementation	Use new shortcut Grid create methods: ESMF_GridCreateNoPeriDim(), ESMF_GridCreate1PeriDim(), ESMF_GridCreate2PeriDim(), or ESMF_GridCreate().
ESMF_GridGetStatus	N/A	25.6.31	N/A	ESMF_GridGetStatus	Overloaded into ESMF_GridGet()	Use ESMF GridGet()
ESMF_GridSetCommitShapeTile (3)	N/A	25.6.34-36	N/A	ESMF_GridSetCommitShapeTile (3)		Use ESMF_GridEmptyComplete()
ESMF_CalendarOperator(==) (2)	N/A	36.5.3-4	N/A	ESMF_CalendarOperator(==) (2)	Overloaded into single interface	No impact
ESMF_CalendarOperator(/=) (2)	N/A	36.5.5-6	N/A	ESMF_CalendarOperator(/=) (2)	Overloaded into single interface	No impact
ESMF CalendarIsLeapYear	N/A	36.5.14	N/A	ESMF CalendarIsLeapYear	Overloaded into single interface	No impact