

API Changes							
Method name	Old value (611)	New value (620)	Marked backward compatible in 611	Interface (611)	Interface (620)	Rationale for change	Impact
Added Arguments							
ESMF_RegridWeightGen	N/A	netcdf4fileFlag	No	22.3.1	22.3.1	Support for writing large weight files using NetCDF 4 file format	No impact
ESMF_MeshCreate	N/A	nodeMask	No	31.4.7	31.4.7	Add capability to mask out Mesh nodes	No impact
ESMF_MeshAddNodes	N/A	nodeMask	No	31.4.5	31.4.5	Add capability to mask out Mesh nodes	No impact
Argument Intent Changes							
ESMF_AttributeCopy	<object1>,intent(inout)	<object1>,intent(in)	No	37.11.6	37.11.6	Correctly indicate the intent of the argument	No impact
ESMF_AttributeGet	<object>,intent(inout)	<object>,intent(in)	No	37.11.7	37.11.7	Correctly indicate the intent of the argument	No impact
ESMF_AttributeGet	<object>-intent(inout)	<object>,intent(in)	No	37.11.8	37.11.8	Correctly indicate the intent of the argument	No impact
ESMF_AttributeGet	<object>,intent(inout)	<object>,intent(in)	No	37.11.9	37.11.9	Correctly indicate the intent of the argument	No impact
ESMF_AttributeGet	<object>,intent(inout)	<object>,intent(in)	No	37.11.10	37.11.10	Correctly indicate the intent of the argument	No impact
ESMF_AttributeGet	<object>,intent(inout)	<object>,intent(in)	No	37.11.11	37.11.11	Correctly indicate the intent of the argument	No impact
ESMF_AttributeGet	<object>,intent(inout)	<object>,intent(in)	No	37.11.12	37.11.12	Correctly indicate the intent of the argument	No impact
ESMF_AttributeGet	<object>,intent(inout)	<object>,intent(in)	No	37.11.13	37.11.13	Correctly indicate the intent of the argument	No impact
ESMF_AttributeGet	<object>,intent(inout)	<object>,intent(in)	No	37.11.14	37.11.14	Correctly indicate the intent of the argument	No impact
ESMF_AttributeLink	<object2>,intent(inout)	<object2>,intent(in)	No	37.11.15	37.11.15	Correctly indicate the intent of the argument	No impact
ESMF_AttributeLink	<object>,intent(inout)	<object>,intent(in)	No	37.11.16	37.11.16	Correctly indicate the intent of the argument	No impact

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ESMF_AttributeLink	field,intent(inout)	field,intent(in)	No	37.11.17	37.11.17	Correctly indicate the intent of the argument	No impact
ESMF_AttributeLink	grid,intent(inout)	grid,intent(in)	No	37.11.18	37.11.18	Correctly indicate the intent of the argument	No impact
ESMF_AttributeLink	array,intent(inout)	array,intent(in)	No	37.11.19	37.11.19	Correctly indicate the intent of the argument	No impact
ESMF_AttributeLinkRemove	<object2>,intent(inout)	<object2>,intent(in)	No	37.11.20	37.11.20	Correctly indicate the intent of the argument	No impact
ESMF_AttributeLinkRemove	<object>,intent(inout)	<object>,intent(in)	No	37.11.21	37.11.21	Correctly indicate the intent of the argument	No impact
ESMF_AttributeLinkRemove	field,intent(inout)	field,intent(in)	No	37.11.22	37.11.22	Correctly indicate the intent of the argument	No impact
ESMF_AttributeLinkRemove	grid,intent(inout)	grid,intent(in)	No	37.11.23	37.11.23	Correctly indicate the intent of the argument	No impact
ESMF_AttributeLinkRemove	array,intent(inout)	array,intent(in)	No	37.11.24	37.11.24	Correctly indicate the intent of the argument	No impact
ESMF_LogFoundAllocError	rcToReturn,intent(out)	rcToReturn,intent(inout)	Yes	45.7.4	45.7.6	Correctly indicate the intent of the argument	No impact
ESMF_LogFoundDeallocError	rcToReturn,intent(out)	rcToReturn,intent(inout)	Yes	45.7.5	45.7.7	Correctly indicate the intent of the argument	No impact
ESMF_LogFoundError	rcToReturn,intent(out)	rcToReturn,intent(inout)	Yes	45.7.6	45.7.8	Correctly indicate the intent of the argument	No impact
Added Methods							
ESMF_ConfigOperator(==)	N/A	N/A	N/A	N/A	44.3.2	Consistently provide operators across classes	No impact
ESMF_ConfigOperator(/=)	N/A	N/A	N/A	N/A	44.3.3	Consistently provide operators across classes	No impact
ESMF_LogOperator(==)	N/A	N/A	N/A	N/A	45.7.2	Consistently provide operators across classes	No impact
ESMF_LogOperator(/=)	N/A	N/A	N/A	N/A	45.7.3	Consistently provide operators across classes	No impact

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ESMF_UtilIOMkDir	N/A	N/A	N/A	N/A	48.4.4	Uniform access to file system operations from within the application	No impact
ESMF_UtilIORmDir	N/A	N/A	N/A	N/A	48.4.5	Uniform access to file system operations from within the application	No impact
ESMF_FieldBundleSet	N/A	N/A	N/A	N/A	23.5.25 - 23.5.28	Allow user to set a Grid, Mesh, LocStream, or XGrid in a FieldBundle.	No impact
ESMF_MeshCreate	N/A	N/A	N/A	N/A	31.4.9	Allow user to create a copy of a Mesh with a new distribution.	No impact