

## List of amendment AIs

As at 2004-06-20. Those with numbers in bold have changed since issue of 2004-03-07.

Status gives ARG meeting number when last discussed and/or general WG9 meeting number when approved. Those marked ed review will be voted on at next general WG9 meeting. No action means abandoned. Intent approved means that some revision required but expected to be fully approved by ARG when done. On the table means that it will be reconsidered later (perhaps waiting for a related AI).

Number	Title	Status
216	Unchecked unions - variant records with no run-time discriminant	ARG approved, WG9 approved (44)
<b>217/6</b>	Mutually recursive types - limited with	ARG approved, WG9 approved (46) Other versions abandoned.
218/3	Accidental overloading when overriding	ARG approved, WG9 approved (45) Other versions abandoned.
222	Feature control	no action (22)
224	pragma Unsuppress	ARG approved, WG9 approved (44)
<b>230</b>	Generalized use of anonymous access types	ARG approved, WG9 approved (46)
<b>231</b>	Access to constant parameters and null-excluding subtypes	ARG approved, WG9 approved (46)
232	Dispatching operation visibility and ambiguity	no action (22)
234	Unsigned integer types	no action (12)
241	Testing for null occurrence	WG9 approved (41) (was originally an ordinary AI but status was changed to amendment)
248	Directory operations	ARG approved, WG9 approved (43)
249	Ravenscar profile for high-integrity systems	ARG approved, WG9 approved (43)
250	Protected types, extensible, tagged, abstract	no action (22)

<b>251</b>	Abstract Interfaces to provide Multiple Inheritance	ARG approved, WG9 approved (46)
252	Object.Operator notation	ARG approved, WG9 approved (45)
<b>254</b>	Anonymous access-to-subprogram types	ARG approved, WG9 approved (46)
257	Restrictions for implementation-defined entities	ARG approved, WG9 approved (42)
260	How to control the tag representation in a stream	ARG approved, WG9 approved (42)
261	Extending enumeration types	no action (18)
262	Access to private units in the private part	ARG approved, WG9 approved (43)
264	Exceptions as types	no action (20)
265	Partition elaboration policy for High-integrity systems	ARG approved, WG9 approved (44)
<b>266/2</b>	Task termination procedure	ARG approved (23), pending ed review - other version abandoned
267	Fast float to integer conversion	ARG approved, WG9 approved (42)
270	Stream item size control	ARG approved, WG9 approved (44)
273	Use of PCS should not be normative	ARG approved, WG9 approved (42)
274	Requiring complete record rep clauses	no action (18)
278	Task Entry without Accept Statement	no action (15)
281	Representation of enumeration type image attribute	no action (15)
282	Ada unit information symbols	no action (20)
284	Non-reserved keywords	on the table; rejected by WG9 (43) pending knowing how long the list of such keywords would be
285	Support for 16-bit and 32-bit characters	under discussion (21), intent approved
<b>286</b>	Assert pragma	ARG approved (23), pending ed review

<b>287</b>	Limited aggregates allowed	ARG approved (23), pending ed review – it had previously been approved by WG9 but needed modification
288	pre/post conditions and invariants	no action (22)
290	Declaring functions Pure	no action (22)
292	Sockets operations	no action (22)
293	Built-in hash function	no action (20)
<b>296</b>	Vector and matrix operations	ARG approved, WG9 approved (46)
<b>297</b>	Timing events	ARG approved (23) pending ed review – previously returned by WG9 (45)
<b>298</b>	Non-preemptive dispatching	ARG approved, WG9 approved (46)
299	Defaults for generic formal parameters	no action (17)
300	The standard storage pool	no action (16)
<b>301</b>	Operations on language defined strings	ARG approved, WG9 approved (46)
<b>302/3</b>	Container library (title changed)	under discussion (23), intent approved – other versions abandoned
304	Reemergence of "=" in generics	no action (22)
305	New pragma and additional restrictions for realtime systems	ARG approved, WG9 approved (43)
<b>307</b>	Execution time clocks	ARG approved (23), pending ed review
310	Ignore abstract nondispatching operations during overloading	ARG approved, WG9 approved (44)
313	Self-reference in subprogram access	no action (17)
314	Standardize Discard Names	no action (17)
315	Full support for IEEE 559: 1989	under discussion (21)
<b>317</b>	Partial parameter lists for Formal Packages	ARG approved, WG9 approved (45) – minor polishing after approval

<b>318/2</b>	Returning limited objects without copying	ARG approved (23), pending ed review – other version abandoned
319	Object_Size attribute	no action (18)
321	Definition of dispatching policies	ARG approved, WG9 approved (45)
322	User-defined operator symbols	no action (18)
323	Allow in out parameters for functions	no action (18)
324	Physical units checking	no action (22)
325	Anonymous access types as function result types	no action (22)
<b>326</b>	Tagged incomplete types	ARG approved, WG9 approved (46)
<b>327</b>	Dynamic ceiling priorities	ARG approved (23), pending ed review
328	Nongeneric versions of Complex_IO	ARG approved, WG9 approved (45)
<b>329</b>	pragma No_Return - procedures that never return	ARG approved, WG9 approved (46)
338	Constrained attribute for generic formal private types	no action (20)
339	Add use clause to protected types	no action (20)
<b>340</b>	Mod attribute	ARG approved, WG9 approved (46)
<b>344</b>	Allow nested type extensions	ARG approved (23), pending ed review
<b>345</b>	Protected interfaces	ARG approved (23), pending ed review
346	Roots of polynomials	no action (20)
347	Title of Annex H	ARG approved, WG9 approved (45)
<b>348</b>	Null procedures	ARG approved, WG9 approved (46)
<b>351</b>	Time operations	ARG approved, WG9 approved (46)

352	ARINC_653_Processes profile	no action (20)
353	New Restrictions identifier No_Synchronous_Control	ARG approved, WG9 approved (45)
<b>354</b>	Group execution time budgets	ARG approved (23), pending ed review
<b>355</b>	Priority specific dispatching including Round Robin	under discussion (23), intent approved
<b>356</b>	Preemption_Level Locking Policy	no action (23)
<b>357</b>	Earliest Deadline First scheduling	under discussion (23), intent approved
358	Application defined scheduling	no action (22)
<b>359/2</b>	Deferring freezing of a generic instantiation	ARG approved (23), pending ed review – other version abandoned
<b>361</b>	Raise with message	ARG approved, WG9 approved (46)
<b>362</b>	Some predefined packages should be recategorized	ARG approved (23), pending ed review
<b>363</b>	Eliminating access subtype problems	ARG approved (23), pending ed review
<b>364</b>	Fixed point multiply/divide	ARG approved (23), pending ed review
365	Permission to create grandchildren of Ada	no action (21)
<b>366</b>	More liberal rule for Pure units	under discussion (23), intent approved
367	Natural & Positive in Interfaces	no action (22)
<b>368</b>	Restrictions for obsolescent features	ARG approved (23), pending ed review
<b>370</b>	Add standard interface for environment variables	under discussion (23), intent approved
371	New hierarchy for OS-dependent services	no action (22)
372	Restrictions for default stream attributes of elementary types	no action (22)
374	Assertions_Only pragma	no action (22)

375	Type and package invariants	no action (22)
<b>381</b>	New Restrictions identifier No_Dependence	ARG approved (23), pending ed review

Status summary (figures in brackets are last time)

36	(35)	no action
1	(1)	on the table*
1	(7)	under discussion
6	(13)	under discussion, intent approved
16	(16)	ARG approved, pending ed review
35	(22)	WG9 approved
95	(94)	Total

\*This is AI-284. The number of new keywords is now known to be three, namely overriding, interface, synchronized. The AI will now be resolved by email.