1 MPI_DIST_GRAPH_CREATE, the constants MPI_UNWEIGHTED, and the derived C++ ticket33. ² class Distgraphcomm were added. 18. Section 7.5.4 on page 262. For the scalable distributed graph topology interface, the functions 5 MPI_DIST_NEIGHBORS_COUNT and MPI_DIST_NEIGHBORS and the constant ticket3. 7 MPI_DIST_GRAPH were added. 19. Section 7.5.4 on page 262. 9 Remove ambiguity regarding duplicated neighbors with MPI_GRAPH_NEIGHBORS ticket101. and MPI_GRAPH_NEIGHBORS_COUNT. 12 20. Section 8.1.1 on page 273. The subversion number changed from 1 to 2. ticket7. 13 14 21. Section 8.3 on page 278, Section ?? on page ??, and Annex A.1.3 on page 519. 15 Changed function pointer typedef names MPI_{Comm,File,Win}_errhandler_fn to 16 ticket71. $_{17}$ MPI_{Comm,File,Win}_errhandler_function. Deprecated old "_fn" names. 22. Section 8.7.1 on page 297. 19 Attribute deletion callbacks on MPI_COMM_SELF are now called in LIFO order. Imple-20 mentors must now also register all implementation-internal attribute deletion callbacks on MPI_COMM_SELF before returning from MPI_INIT_MPI_INIT_THREAD. ticket43. 22 23 23. Section 11.3.4 on page 347. 24 The restriction added in MPI 2.1 that the operation MPI_REPLACE in 25 MPI_ACCUMULATE can be used only with predefined datatypes has been removed. 26 MPI_REPLACE can now be used even with derived datatypes, as it was in MPI 2.0. 27 Also, a clarification has been made that MPI_REPLACE can be used only in MPI_ACCUMULATE, not in collective operations that do reductions, such as 28 ticket6. 29 MPI_REDUCE and others. 30 24. Section 12.2 on page 373. 31 Add "*" to the query_fn, free_fn, and cancel_fn arguments to the C++ binding for 32 MPI::Grequest::Start() for consistency with the rest of MPI functions that take function ticket 18. $_{34}$ pointer arguments. 35 25. Section 13.5.2 on page 430, and Table 13.2 on page 432. 36 MPI_(U)INT{8,16,32,64}_T, MPI_AINT, MPI_OFFSET, MPI_C_COMPLEX, 37 MPI_C_FLOAT_COMPLEX, MPI_C_DOUBLE_COMPLEX, MPI_C_LONG_DOUBLE_COMPLEX, 38 and MPI_C_BOOL are added as predefined datatypes in the external 2 representation. ticket 55.40 41 26. Section 16.3.7 on page 502. 42 !!!TODO!!! See Ticket - proposed text: The description was modified that it only describes how an MPI implementation behaves, but not how it must be im-43 plemented internally. The erroneous MPI-2.1 Example 16.17 was replaced with three 44 45 new examples [...insert reference to example numbers...] on page [...pageref...] explicitly detailing cross-language attribute behavior. Implementations that matched 46 ticket4. 47 the behavior of the old example will need to be updated.