6. Section 3.7 on page 50.
   The Advice to users for IBSEND and IRSEND was slightly changed.

7. Section 3.7.3 on page 54.
   The advice to free an active request was removed in the Advice to users for
   MPI_REQUEST_FREE.

8. Section 3.7.6 on page 66.
   MPI_REQUEST_GET_STATUS changed to permit inactive or null requests as input.

9. Section 5.8 on page 157.
   "In place" option is added to MPI_ALLTOALL, MPI_ALLTOALLV, and
   MPI_ALLTOALLW for intracommunicators.

10. Section 5.9.2 on page 165.
    Predefined parameterized datatypes (e.g., returned by MPI_TYPE_CREATE_F90_REAL)
    and optional named predefined datatypes (e.g. MPI_REAL8) have been added to the
    list of valid datatypes in reduction operations.

11. Section 5.9.2 on page 165.
    MPI_(U)INT{8,16,32,64}_T are all considered C integer types for the purposes of the
    predefined reduction operators. MPI_AINT and MPI_OFFSET are considered Fortran
    integer types. MPI_C_BOOL is considered a Logical type.
    MPI_C_COMPLEX, MPI_C_FLOAT_COMPLEX, MPI_C_DOUBLE_COMPLEX, and
    MPI_C_LONG_DOUBLE_COMPLEX are considered Complex types.

12. Section ?? on page ??.
    The local routines MPI_REDUCE_LOCAL and MPI_OP_COMMUTATIVE have been
    added.

13. Section ?? on page ??.
    The collective function MPI_REDUCE_SCATTER_BLOCK is added to the MPI stan-
    dard.

14. Section 5.11.2 on page 181.
    Added in place argument to MPI_EXSCAN.

15. Section 6.4.2 on page 200, and Section 6.6 on page 219.
    Implementations that did not implement MPI_COMM_CREATE on intercommuni-
    cators will need to add that functionality. As the standard described the behav-
    ior of this operation on intercommunicators, it is believed that most implementa-
    tions already provide this functionality. Note also that the C++ binding for both
    MPI_COMM_CREATE and MPI_COMM_SPLIT explicitly allow Intercomms.

16. Section 6.4.2 on page 200.
    MPI_COMM_CREATE is extended to allow several disjoint subgroups as input if comm
    is an intracommunicator. If comm is an intercommunicator it was clarified that all
    processes in the same local group of comm must specify the same value for group.

17. Section ?? on page ??.
    New functions for a scalable distributed graph topology interface has been added.
    In this section, the functions MPI_DIST_GRAPH_CREATE_ADJACENT and

1
2 ticket143.
3
4
5
6 ticket137.
7
8 ticket31.
9
10
11
12 ticket64.
13
14
15
16
17 ticket18.
18
19
20
21
22
23 ticket24.
24
25
26
27 ticket27.
28
29
30
31 ticket94.
32
33 ticket19.
34
35
36
37
38
39
40 ticket66.
41
42
43
44 ticket33.
45
46
47
48