

Status of MPI-3 Implementations

| | MPICH | MVAPICH | Open MPI | Cray MPI | Tianhe MPI | Intel MPI | IBM BG/Q MPI ¹ | IBM PE MPICH | IBM Platform | SGI MPI | Fujitsu MPI | MS MPI |
|-----------------------------|-------|---------|----------|----------|------------|-----------|---------------------------|--------------|--------------|---------|-------------|--------|
| NB collectives | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | * |
| Neighborhood collectives | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | Q3 '15 | ✓ | Q2 '15 | |
| RMA | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | Q3 '15 | ✓ | Q2 '15 | |
| Shared memory | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | Q3 '15 | ✓ | Q2 '15 | ✓ |
| Tools Interface | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ ² | ✓ | Q3 '15 | ✓ | Q2 '15 | * |
| Non-collective comm. create | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | Q3 '15 | ✓ | Q2 '15 | |
| F08 Bindings | ✓ | ✓ | ✓ | ✓ | ✓ | Q2 '15 | ✓ | | Q3 '15 | ✓ | Q2 '15 | |
| New Datatypes | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | Q3 '15 | ✓ | Q2 '15 | * |
| Large Counts | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | Q3 '15 | ✓ | Q2 '15 | * |
| Matched Probe | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | Q3 '15 | ✓ | ✓ | * |

Release dates are estimates and are subject to change at any time.

Empty cells indicate no *publicly announced* plan to implement/support that feature.

Platform-specific restrictions might apply on all supported features.

¹ Open source, but unsupported

² No MPI_T variables exposed

* Under development