



| z/TPF V1.1

TPF Users Group Spring 2008

TPF and z/TPF Requirements  
TPFDF and z/TPFDF Requirements  
TPF Toolkit Requirements

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Venue: Requirements Subcommittee

AIM Enterprise Platform Software  
IBM z/Transaction Processing Facility Enterprise Edition 1.1.0

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# Agenda

- **Definitions**
- **TPF and z/TPF Requirements**
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  - Accepted & Likely Requirements
- **TPFDF and z/TPFDF Requirements**
  - New Requirements from Fall 2007
  - Status Changes
  - Top Requirements – Fall 2007 Voting
  - Accepted & Likely Requirements

# TPF User Group Status Definitions

- **Accepted** - IBM intends to do this within 1 year.
- **Likely** - IBM intends to do this, but in a time frame greater than 1 year.
- **Not Likely** - while IBM believes the idea to be sound, we do not intend to do this in the foreseeable future.
  - Note that most TPF 4.1 and TPFDF 1.1.3 requirements are “Not Likely” (exceptions will be noted)
- **Rejected** - IBM believes that the idea is unsound and does not recommend implementation by either IBM or end users and/or the idea is counter to future directions.

Note: A listing of all requirements and IBM status is available in the Requirements section of the TPFUG Web site (<http://www.tpfug.org>)

# TPF and z/TPF Requirements

# New Requirements from Fall 2007 Users Group

- **D07004F – File Address Information & Protection Entry**
  - Likely
- **D07005F – GETFC Abuse Detection**
  - Accepted
- **S07003F – ECB Heap Memory Garbage Collection**
  - Available with z/TPF GA

## New Requirements from Fall 2007 Users Group

- **MQ07001F – Add Support for Websphere MQ v.6 Monitoring Functions for Queues & Channels**
  - Likely
- **DS07001F – TPF Client Application Service Consumer Support**
  - Accepted
- **V07002F – Toolkit: Add File Extension to RSE Table Display**
  - Available in TPF Toolkit 3.2.5

## New Requirements from Fall 2007 Users Group

- **V07003F – Toolkit: 3-Way Merge Tool**
  - Accepted
- **V07004F – Toolkit: SSH Timeout Value Preference**
  - Accepted
- **V07005F – Toolkit: Additional HFS File Data**
  - Accepted

## New Requirements from Fall 2007 Users Group

- **V07006F – Toolkit: Include “Read from File” Option in Custom Rule HLASM Template**
  - Available in TPF Toolkit Interim Fix 3.2.4
- **V07007F – Toolkit: Autosave Files on Compile Actions**
  - Accepted
- **V07008F – Debugger: Transaction Trapping Options**
  - Pending debugger task force work



## New Requirements from Fall 2007 Users Group

- **V07009F – Debugger: Trace Run Slow**
  - Pending debugger task force work
- **V07010F – Debugger: Trace Record**
  - Pending debugger task force work
- **V07011F – Toolkit: Trash or Recycle Bin**
  - Likely

# New Requirements from Fall 2007 Users Group

- **V07012F – Debugger: Fast Debug**
  - Pending debugger task force work
- **V07013F – Debugger: Diagnostics & Error Messages**
  - Pending debugger task force work

# Status Changes: Likely->Not Likely (Communications)

- **C03001 – Remove WGTA Dependency from MATIP Core Table Allocation**
- **C06001S – Movable VIPA Monitor**

# Status Changes: Likely->Not Likely (System Control Program / Operations / Coverage)

- **O07002S – Real Time Resource Usage Analysis**
- **S97001 – Enhancement to USAT Processing**
- **S98009 – Improve TMSLC & LODIC Usage Reporting**
- **S99008 – Measuring Usage of Event Processing**

# Status Changes: Likely->Not Likely (System Control Program / Operations / Coverage)

- **S01001 – Report all MDBF Subsystems in Data Collection**
- **S03001 – Remove TMSLC & ATO CPU Speed Dependency**
- **S06003F – Dynamic IOCP Support**

## Status Changes: Likely->Not Likely (Data Base)

- **D04001 – HELP Option on ZOODB & ZBROW**
- **D05001F – PDU Online Multiple Release Display Enhancement**
- **D05003F – Display of Ratio Dispensing Schedules**
- **D07002S – Release File Processing Enhancements**

## Status Changes: Likely->Not Likely (Development Tools)

- **V06013F – Debugger: Global Symbol Pointer List**
- **V06014F – Debugger: Global Symbol Reference String**
- **V06015F – Debugger: Preset Breakpoints**
- **V06017F – Performance Analyzer: Provide Additional Resource Utilization**

# Status Changes: Likely->Not Likely (MQ Series)

- **MQ04004 – Need Different Record IDs for TPFCS Data**
- **MQ04009 – Remote Administration**
- **MQ04010 – Support for MQ Ping**
- **MQ04012 – Process Messages from an xmitq on a Deactivated Processor**



# Status Changes: Likely->Not Likely (MQ Series)

- **MQ04013 – Display Multiple Attributes of Queue**
- **MQ04018 – Provide Support for Requestor Channels**
- **MQ06001S – Add Support for Queue Manager, Alias, Local & Remote Queue Descriptions**

# Status Changes: Likely->Not Likely (MQ Series)

- **MQ06002S – Add Support for Message Translation**
- **MQ06003S – Add Support for Clustering**

## Status Changes (Other)

- **C06003S – Comms Offline IP Trace Enhancement**
  - Was: Likely.
  - Now: Rejected (IP trace data from z/TPF can be analyzed by open tools & future IP trace enhancements should come from the open tools).
  
- **D06005F – TPF Metadata Online**
  - Was: Likely.
  - Now: Accepted.

## Status Changes (Other)

- **D07001S – Online Tool for Multiple Releases of Long Term Pool Records**
  - Was: Likely.
  - Now: Accepted.
  
- **D07003S – API for RELFC to Support Record ID Parameter**
  - Was: Likely.
  - Now: Accepted.

## Status Changes (Other)

- **V06009F – Toolkit: Override for User Unique Macro Definitions**
  - Was: Likely.
  - Now: Accepted.
  
- **V07001S – Toolkit: Support RSE Server Timeout**
  - Was: Likely.
  - Now: Available in TPF Toolkit 3.2.5.

## Status Changes (Other)

- **MQ04003 – Document Differences between TPF MQ Series & Other Platforms**
  - Was: Accepted.
  - Now: Not Likely.
  
- **S96003 – Save Channel Commands in LDEV Trace SIOSC Items**
  - Was: Accepted.
  - Now: Not Likely.

## Status Changes (Other)

- **A04001 – SOAP Client Support on TPF**
  - Was: Likely.
  - Now: Accepted.

# Top Communications / Distributed Systems Requirements

## **z/TPF Results**

1. C06003S – Comms Offline IP Trace Enhancement (Rejected)
2. DS07001F – TPF Client Application Service Consumer Support (Accepted)
3. C06001S – Movable VIPA Monitor (Not Likely)

## **TPF4.1 Results**

1. DS07001F – TPF Client Application Service Consumer Support
2. C06003S – Comms Offline IP Trace Enhancement
3. C06001S – Movable VIPA Monitor

**There are a total of 4 requirements in this category.**



# Top Applications / Languages Requirements

## **z/TPF Results**

1. A04001 – SOAP Client Support on TPF (Accepted)
2. L01002 – Provide Source for Critical OCO Segments (Rejected)

## **TPF4.1 Results**

1. A04001 – SOAP Client Support for TPF
2. L01002 – Provide Source for Critical OCO Segments

**There are a total of 2 requirements in this category.**

# Top Database Requirements

## **z/TPF Results**

1. D06001F – Dynamic Database Reorganization (Likely)
2. D07005F – GETFC Abuse Detection (Accepted)
3. D06005F – TPF Metadata Online (Accepted)

## **TPF4.1 Results**

1. D06001F – Dynamic Database Reorganization
2. D07005F – GETFC Abuse Detection
3. D06005F – TPF Metadata Online

**There are a total of 15 requirements in this category.**

# Top Control Pgm / Operations / Coverage Requirements

## **z/TPF Results**

1. S98009 - Improve TMSLC & LODIC Usage Reporting (Not Likely)
2. S99008 – Measuring Usage of Event Processing (Not Likely)
3. S06003F – Dynamic IOCP Support (Not Likely)

## **TPF4.1 Results**

1. S06003F – Dynamic IOCP Support
2. S99008 – Measuring Usage of Event Processing
3. O07002S – Real Time Resource Usage Analysis

**There are a total of 13 requirements in this category.**

# Top MQSeries Requirements

## **z/TPF Results**

1. MQ04010 – Support for MQ Ping (Not Likely)
2. MQ04008 – Add Message User Exits (Likely)
3. MQ04005 – Remove Long Life ECB for Server (Not Likely)

## **TPF4.1 Results**

1. MQ05001 – Communications Trace Enhancements
2. MQ04010 – Support for MQ Ping
3. MQ04008 – Add Message User Exits

**There are a total of 19 requirements in this category.**

## Top Development Tools Requirements

1. V06017F – Performance Analyzer: Provide Additional Resource Utilization (Not Likely)
2. V07008F – Debugger: Transaction Trapping Options (Pending)
3. V07010F – Debugger: Trace Record (Pending)

**There are a total of 30 requirements in this category.**

## Accepted Requirements

- **D06004F – Online DASD Formatter**
- **D06005F – TPF Metadata Online**
- **D07001S – Online Tool for Multiple Releases of Long Term Pool Records**
- **D07003S – API for RELFC to Support Record ID Parameter**
- **D07005F – GETFC Abuse Detection**

## Accepted Requirements

- **V06009F – Toolkit: Override for User Unique Macro Definitions**
- **V07003F – Toolkit: 3-way Merge Tool**
- **V07004F – Toolkit: SSH Timeout Value Preference**
- **V07005F – Toolkit: Additional HFS File Data**
- **V07007F – Toolkit: Auto Save Files on Compile Actions**

## Accepted Requirements

- **DS07001F – TPF Client Application Service Consumer Support**
- **A04001 – SOAP Client Support on TPF**
- **MQ04006 – Add Support for MQ SSL**
- **O07001S – Tivoli Enterprise Portal (TEP) Client for CDC**



## Likely Requirements

- **O00014 – Functional Entry Enhancements**
- **D04002 – TPFCS Collection / Datastore Analysis**
- **D04009 – TPF File System Quota Limits & Monitoring**
- **D06001F – Dynamic Database Reorganization**
- **D06002F – Offline FACE Table Comparison Tool**
- **D06003F – Logical Device Support**

## Likely Requirements

- **D07004F – File Address Information & Protection Entry**
- **V03001 – Toolkit: XML Header Generator**
- **V05003 – Toolkit: VRDR / GDS Deactivation**
- **V05004 – Toolkit: Allow Slow Double Click**
- **V05005 – Toolkit: Provide Full HFS Access**
- **V05006 – Toolkit: Provide Program to Program Access**

## Likely Requirements

- **V05010 – Toolkit: Sharing of User Settings & Options**
- **V06003S – Toolkit: Tool for Building XML Concatenation Files**
- **V06004S – Toolkit: Save/Load Function for Project Build List**
- **V06010F – Toolkit: Provide Negative Filter Capability**

## Likely Requirements

- **V06012F – Toolkit: Provide Project Rename User Exit**
- **V07011F – Toolkit: Trash or Recycle Bin**
- **MQ04008 – Add Message User Exits**
- **MQ04011 – ZMQSC DEL QL Does not Remove Swept PID List for Queue**
- **MQ05001 – Communications Trace Enhancements**

## Likely Requirements

- **MQ05002 – Trace Postprocessor Enhancements**
- **MQ05006 – Support ZMQSC TRACE Time Precision to Microseconds**
- **MQ07001F – Add Support for Websphere MQ v.6 Monitoring Functions for Queues & Channels**

# TPFDF and z/TPFDF Requirements

# New Requirements from Fall 2007 Users Group

- **None**

## Status Changes: Likely to Not Likely (z/TPFDF)

- **DF00153 – TPFDF C++ API**
- **DF00170 – DBDEF load and initialization changes**
- **DF00010 – Support block size expansion**
- **DF05182F – Export TPFDF LRECs to XML format**
- **DF00179 – TPFDF should provide DBDEF user exits for invocation during the pack operation**
- **DF00176 – transmit metadata from DBDEF tables to other hosts**
- **DF00156 – automatic refresh of DBDEF index**



## Status Changes (Other)

- **DF05184F – DFSQL: access DF DB via external SQL commands**
  - Was: Not Likely.
  - Now: Rejected (IBM does not believe that TPFDF databases can be mapped to relational tables with any reasonable level of functionality or cost).
- **DF00177 – TPFDF or online pools package should provide a mechanism for detecting long TPF record chains**
  - Was: Likely.
  - Now: Accepted (for z/TPFDF chainchase via DBDEFs).

## Status Changes (Other)

- **DF00079 – Support in-core records for performance**
  - Was: Likely.
  - Now: Accepted (for memory based z/TPFDF structures).
- **DF06185F – Always open TPFDF file**
  - Was: Accepted.
  - Now: Available (APAR PK59946)

# Top TPFDF and z/TPFDF Requirements

## z/TPF Results

1. DF00153 - TPFDF C++ API (Not Likely)
2. DF00177 – TPFDF or online pools package should provide a mechanism for detecting long TPF record chains (Accepted)
3. DF00079 – Support in-core records for performance (Accepted)

## TPF4.1 Results

1. DF00153 - TPFDF C++ API
2. DF00079 – Support in-core records for performance
3. DF00152 - TPFDF C API Improvements

**There are a total of 22 TPFDF and z/TPFDF requirements.**

## Accepted Requirements

- **DF00158 – CRUISE should allow for multiple SSUs**
- **DF00177 – TPFDF or online pools package should provide a mechanism for detecting long TPF record chains**
  - Accepted for z/TPFDF chainchase via DBDEFs
- **DF00079 – Support in-core records for performance**
  - Accepted for memory based z/TPFDF structures

## Likely Requirements

- **DF00152 – TPFDF C API improvements**
- **DF00165 – integrate TPFDF data collection and reporting**
- **DF00178 – TPFDF should have user exits for all the API commands**
- **DF00098 – TPFDF should support GDS**

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