



IBM Software Group

## *TPF Users Group Spring 2005*

### TPF and TPFDF Requirements

Sue Pavlakis and Kevin Jones

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# Agenda

- Definitions
- TPF Requirements
  - ▶ New Requirements from Fall 2004
  - ▶ Status Changes
  - ▶ Top Requirements - Fall 2004 Voting
  - ▶ Available / Accepted Requirements
- TPFDF Requirements
  - ▶ New Requirements from Fall 2004
  - ▶ Status Changes
  - ▶ Top Requirements - Fall 2004 Voting
  - ▶ Accepted 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.
- **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 Requirements

## New Requirements from Fall 2004 Users Group

- V04001 - Performance Analyzer Enhancements
  - ▶ Likely.
  
- D04004 - NORM State Pool Reallocation Processing
  - ▶ Likely.
  
- D04005 - File System Back-up & Restore Utility
  - ▶ Likely.
  
- D04006 - Support TAR Functionality on TPF
  - ▶ Likely.

## New Requirements from Fall 2004 Users Group

- D04007 - ZFILE Login / Logout
  - ▶ Likely.
  
- D04008 - TPF File System User ID / Password Administration
  - ▶ Likely.
  
- D04009 - TPF File System Quota Limits & Monitoring
  - ▶ Likely.

## New Requirements from Fall 2004 Users Group

- DSMQ4001 - MQSeries: Support for MQ Heartbeat
  - ▶ Accepted (TPF4.1).
  
- DSMQ4002 - MQSeries: Shared Channel Support
  - ▶ Accepted (TPF4.1).
  
- DSMQ4003 - MQSeries: Document Differences between TPF MQSeries & Other Platforms
  - ▶ Accepted (TPF4.1).

## New Requirements from Fall 2004 Users Group

- DSMQ4004 - MQSeries: Need Different Record IDs for TPFCS Data
  - ▶ Likely.
  
- DSMQ4005 - MQSeries: Remove Long Life ECBs for Server Channels
  - ▶ Not Likely (requires a significant design change).
  
- DSMQ4006 - MQSeries: Add Support for MQ SSL
  - ▶ Accepted (TPF4.1).



## New Requirements from Fall 2004 Users Group

- DSMQ4007 - MQSeries: Add Support for AdoptNewMCA for MQ Receiver Channels
  - ▶ Accepted (TPF4.1).
  
- DSMQ4008 - MQSeries: Add Message User Exits
  - ▶ Likely.
  
- DSMQ4009 - MQSeries: Remote Administration
  - ▶ Accepted (TPF4.1).

## New Requirements from Fall 2004 Users Group

- DSMQ4010 - MQSeries: Support for MQ Ping
  - ▶ Likely.
  
- DSMQ4011 - MQSeries: ZMQSC DEL QL - Needs to Remove Swept PID List for Queue
  - ▶ Likely.
  
- DSMQ4012 - MQSeries: Process Messages from an xmitq on a Deactivated Processor
  - ▶ Likely.

## New Requirements from Fall 2004 Users Group

- DSMQ4013 - MQSeries: Processor Unique Attributes for Queues and Queue Manager
  - ▶ Likely.
  
- DSMQ4014 - MQSeries: Display Multiple Individual Attributes of a Queue
  - ▶ Not Likely (can currently be done with multiple commands & remote administration will provide an additional method).
  
- DSMQ4015 - MQSeries: Provide Batch Size Monitoring Capability
  - ▶ Not Likely (currently available with data collection/reduction).

## New Requirements from Fall 2004 Users Group

- DSMQ4016 - MQSeries: Provide Socket Buffer Usage Display
  - ▶ Accepted (TPF4.1).
  
- DSMQ4017 - MQSeries: Provide Option to Automatically Resolve / Reset Channels
  - ▶ Not Likely (fixing cases where resolve / reset is necessary).
  
- DSMQ4018 - MQSeries: Provide Support for Requestor Channels
  - ▶ Likely.

## Status Changes

- V03005 - Debugger: Reject Invalid Program Type
  - ▶ was: Likely.
  - ▶ now: Accepted (TPF4.1).
  
- V03006 - Debugger: Inform Users of SNAP Dumps
  - ▶ was: Likely.
  - ▶ now: Accepted (TPF4.1).
  
- V03008 - Debugger: Inform Users of Post-trace Dump
  - ▶ was: Likely.
  - ▶ now: Withdrawn (covered by TEST(ALL) debugger preference).

## Status Changes

- V03009 - Debugger: Add StepInto Registered Function
  - ▶ was: Likely.
  - ▶ now: Accepted (TPF4.1).
  
- S01007 - Update Device Independent Reader to Read POSIX Files
  - ▶ was: Likely.
  - ▶ now: Accepted (z/TPF).

## Status Changes

- O03002 - Report Total & TPF Utilization under Hypervisor (VM/LPAR-shared)
  - ▶ was: Accepted (TPF4.1).
  - ▶ now: Available with PJ29573 on TPF4.1 PUT19.
  
- O03003 - Enable 3rd Party Performance Data Reduction Software
  - ▶ was: Likely.
  - ▶ now: Available.

## Top Communications / Distributed Systems Requirements

1. DS01006 - HTTP Client
  - Likely.
  
2. DS04001 - FTP Client
  - Likely.
  
3. C03001 - Remove WGTA Dependency from MATIP Core Table Allocation
  - Likely.

There are a total of **5** requirements in this category.



## Top Application / Languages Requirements

1. A04001 - SOAP Client Support on TPF
  - Likely.
2. L03001 - Enable Packaging of TPF Assembler Segments into DLMs
  - Accepted (z/TPF).
3. L01002 - Provide Source for Critical OCO Segments
  - Rejected.

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

## Top Database Requirements

1. D04004 - NORM State Pool Reallocation Processing
  - Likely.
2. D04005 - File System Back-up & Restore Utility
  - Likely.
3. D04002 - TPFCS Collection / Datastore Analysis
  - Likely.

There are a total of **11** requirements in this category.

## Top Development Tools Requirements

1. V03001 - Provide Translation Tool to Convert Headers & DSECTs to XML
  - Likely.
2. V03006 - Debugger: Inform Users of SNAP Dumps
  - Accepted (TPF4.1).
3. V04001 - Enhance the Performance Analyzer to Provide Additional Resource Utilization Data
  - Likely.

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

## Top Control Pgm / Operations / Coverage Requirements

1. S04001 - Ability to Load FCTB, RIAT and SIGT in NORM State
  - Likely.
2. S01003 - Sub-second Event Timers
  - Likely.
3. S99003 - Collect & Report Channel Utilization Data
  - Likely.

There are a total of **25** requirements in this category.

## Top MQSeries Requirements

1. DSMQ4001 - Support for MQ Heartbeat
  - Accepted (TPF4.1).
2. DSMQ4006 - Support for MQ SSL
  - Accepted (TPF4.1).
3. DSMQ4009 - Remote Administration
  - Accepted (TPF4.1).

There are a total of **18** requirements in this category.

## Newly Available Requirements

- O03002 - Report Total & TPF Utilization under Hypervisor (VM/LPAR-shared)
  - ▶ Available with PJ29573 on TPF4.1 PUT19.
  
- O03003 - Enable 3rd Party Performance Data Reduction Software

## Current Accepted Requirements - Accepted Spring 2005 for TPF 4.1

- V03005 - Debugger: Reject Invalid Program Type
- V03006 - Debugger: Inform Users of Snap Dumps
- V03009 - Debugger: Add StepIn Registered Function
- DSMQ4001 - MQSeries: Support for MQ Heartbeat
- DSMQ4002 - MQSeries: Shared Channel Support

## Current Accepted Requirements - Accepted Spring 2005 for TPF 4.1 (continued)

- DSMQ4003 - MQSeries: Document Differences between TPF MQSeries & Other Platforms
- DSMQ4006 - MQSeries: Add Support for MQ SSL
- DSMQ4007 - MQSeries: Add Support for AdoptNewMCA for MQ Receiver Channels
- DSMQ4009 - MQSeries: Remote Administration
- DSMQ4016 - MQSeries: Provide Socket Buffer Usage Display



## Current Accepted Requirements - Accepted Fall 2004 for z/TPF

- A96001 - High Level Assembler Support for FLAG / NOCONT
- A96006 - Stack Mechanism in TPF Assembler
- L03001 - Enable Packaging of TPF Assembler Segments into DLMs
- REQI517 - Resource Policeman
- S95001 - OPR Dump Processing Enhancements

## Current Accepted Requirements - Accepted Fall 2004 for z/TPF (continued)

- S97002 - Enhanced SMP Message Parsing
- S98005 - 4K Global Record Support
- S99005 - Heap Storage Tape Read/Write
- S99009 - TPF DASD I/O Queuing Options
- S99012 - SNAPC Macro Trace Display

## Current Accepted Requirements - Accepted Fall 2004 for z/TPF (continued)

- S00007 - CTL-4 Changes
- S00013 - LODIC Enhancements
- S01005 - Implement Fast Link Macro Trace Facility
- S04003 - Increase Architectural Disk Limits
- O03004 - CP Dumps with SYSDUMP=NO Need ZIDOT Override Option

## Current Accepted Requirements - Accepted Fall 2004 for z/TPF or z/TPFDF (continued)

- D96004 - Increase Number of Globals Loaded in Extended Area
- D96014 - Vendor Exits for Online Database Reorg
- D97003 - Global Display / Alter Command
- D97004 - Keypointable & Syncable Header Stripped Records
- S04002 - Deliver TPFDF PUTs in same format as non-TPFDF PUTs (z/TPFDF)

## Current Accepted Requirements - Accepted Spring 2005 for z/TPF

- S01007 - Update Device Independent Reader to read POSIX files

# TPFDF Requirements

## New Requirements from Fall 2004 Users Group

- DF00177 - Detect long record chains
  - ▶ Likely.
  
- DF00178 - User exits for all function calls
  - ▶ Likely.
  
- DF00179 - DBDEF user exits for pack operations
  - ▶ Likely.

## Status Changes

- DF00172 - ZUDFM should provide a summary of DBDEF option bit settings
  - ▶ was: Likely.
  - ▶ now: Accepted (z/TPFDF).
  
- DF00175 - status display for TPFDF Data Collection
  - ▶ was: Likely.
  - ▶ now: Accepted (z/TPFDF).



## Top Requirements - Fall 2004 Voting

- DF00153 - TPFDF C++ API
  - ▶ Likely.
- DF00152 - TPFDF C API Improvements
  - ▶ Likely.
- DF00172 - ZUDFM should provide a summary of DBDEF option bit settings
  - ▶ Accepted (z/TPFDF).

Total of 53 TPFDF requirements (top 10 are *likely* or *accepted*)

## Accepted Requirements

- DF00020 - TPFDF should provide improved error handling capabilities
  - ▶ Accepted Spring 2002.
  
- DF00159 - use keyblock only if more than 6 keys are defined
  - ▶ Accepted Fall 2004 (z/TPFDF).
  
- DF00169 - allow user defined equates
  - ▶ Accepted Fall 2004 (z/TPFDF).

## Accepted Requirements

- DF00171 - Improve response from ZUDFM OAA
  - ▶ Accepted Fall 2004 (z/TPFDF).
  
- DF00172 - ZUDFM should provide a summary of DBDEF option bit settings
  - ▶ Accepted Spring 2005 (z/TPFDF).
  
- DF00175 - status display for TPFDF Data Collection
  - ▶ Accepted Spring 2005 (z/TPFDF).

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