IBM Software Group

# TPF and TPFDF Requirements

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**AIM Core and Enterprise Solutions**

IBM z/Transaction Processing Facility Enterprise Edition 1.1.0

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# Agenda

- Definitions
- TPF Requirements
  - ► New Requirements from Spring 2004
  - ► Status Changes
  - ► Top Requirements - Spring 2004 Voting
  - ► Available / Accepted Requirements
- TPFDF Requirements
  - ► New Requirements from Spring 2004
  - ► Status Changes
  - ► Top Requirements - Spring 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)*

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# TPF Requirements

# New Requirements from Spring 2004 Users Group

- **A04001 - SOAP Client Support on TPF**
  - ► Likely.

- **D04001 - Help Option on ZOODB and ZBROW**
  - ► Likely.

- **D04002 - Allow Collection Support Data Store in use count and Record ID customization**
  - ► Likely.

- **DS04001 - FTP Client**
  - ► Likely.

# New Requirements from Spring 2004 Users Group

- **S04001 - Ability to Load FCTB, RIAT and SIGT in NORM State**
  - ► Likely (different status than handouts).

- **S04002 - Deliver TPFDF PUTs in same format as non-TPFDF PUTs**
  - ► Accepted (z/TPFDF).

- **S04003 - Increase Architectural Disk Limits**
  - ► Available in part (cylinder limit: PJ29776 - TPF4.1 PUT19).
  - ► Accepted in part (disk limit: z/TPF).

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# Status Changes

- **A96001 - High Level Assembler Support for FLAG / NOCONT**
  - ► was: Likely.
  - ► now: Accepted (z/TPF).

- **A96006 - Stack Mechanism in TPF Assembler**
  - ► was: Likely.
  - ► now: Accepted (z/TPF).

- **L03001 - Enable Packaging of TPF Assembler Segments into DLMs**
  - ► was: Likely.
  - ► now: Accepted (z/TPF).

# Status Changes

- **REQI517 - Resource Policeman**
  - ► was: Likely.
  - ► now: Accepted (z/TPF).

- **S95001 - OPR Dump Processing Enhancements**
  - ► was: Likely.
  - ► now: Accepted (z/TPF).

- **S95010 - Data Collection File Intercept Information**
  - ► was: Likely.
  - ► now: Available (PJ29776 - TPF4.1 PUT 19).

# Status Changes

- **S97002 - Enhanced SMP Message Parsing**
  - ► was: Not Likely.
  - ► now: Accepted (z/TPF).

- **S98005 - 4K Global Record Support**
  - ► was: Likely.
  - ► now: Accepted (z/TPF).

- **S99005 - Heap Storage Tape Read/Write**
  - ► was: Likely.
  - ► now: Accepted (z/TPF).

# Status Changes

- **S99009 - TPF DASD I/O Queuing Options**
  - ► was: Likely.
  - ► now: Accepted (z/TPF).

- **S99012 - Snapc Macro Trace Display**
  - ► was: Likely.
  - ► now: Accepted (z/TPF).

- **S99014 - Add Support for PPRC**
  - ► was: Accepted.
  - ► now: Available (PJ29675 - TPF4.1 PUT 19).

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# Status Changes

- **S00007 - CTL-4 Changes**
  - ► was: Likely.
  - ► now: Accepted (z/TPF).

- **S00013 - LODIC Enhancements**
  - ► was: Likely.
  - ► now: Accepted (z/TPF).

- **S01005 - Implement Fast Link Macro Trace Facility**
  - ► was: Likely.
  - ► now: Accepted (z/TPF).

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# Status Changes

- O03002 - Report Total & TPF Utilization under Hypervisor (VM/LPAR-shared)
  - ► was: Likely.
  - ► now: Accepted (TPF 4.1).

- O03004 - CP Dumps with SYSDUMP=NO Need ZIDOT Override Option
  - ► was: Likely.
  - ► now: Accepted (z/TPF).

- D96004 - Increase Number of Globals Loaded in Extended Area
  - ► was: Likely.
  - ► now: Accepted (z/TPF).

# Status Changes

- **D96014 - Vendor Exits for Online Database Reorg**
  - ► was: Likely.
  - ► now: Accepted (z/TPF).

- **D97003 - Global Display / Alter Command**
  - ► was: Likely.
  - ► now: Accepted (z/TPF).

- **D97004 - Keypointable & Syncable Header Stripped Records**
  - ► was: Likely.
  - ► now: Accepted (z/TPF).

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# Status Changes

- **V01018 - VATPF HELP System Installation on any Server Platform**
  - ► was: Not Likely.
  - ► now: Likely.

- **V03004 - VATPF C++ SEQ / MARGINS Properties**
  - ► was: Under Investigation by IBM.
  - ► now: Withdrawn.

# 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. **A03001 - Remove 4K Limit of Data Sharing for Created ECBs.**
   - ► Likely.

2. **A96006 - Stack Mechanism in TPF Assembler.**
   - ► Accepted (z/TPF).

3. **A04001 - SOAP Client Support on TPF**
   - ► Likely.

There are a total of **7** requirements in this category.

# Top Database Requirements

1. **D04002 - Allow Collection Support Data Store in use count and Record ID customization**
   ► Likely.

2. **D97003 - Global Display / Alter Command**
   ► Accepted (z/TPF).

3. **D97004 - Keypointable & Synchable Header Stripped Records**
   ► Accepted (z/TPF).

There are a total of **9** requirements in this category.

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# Top Development Tools Requirements

1. **V03001 - Provide Translation Tool to Convert Headers & DSECTs to XML**
   ► Likely.

2. **V03006 - Debugger: Inform Users of SNAP Dumps**
   ► Likely.

3. **V03007 - Debugger: Inform Users of Pre-trace Dump**
   ► 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. S95001 - OPR Dump Processing Enhancements
   ► Accepted (z/TPF).

3. REQI517 - Resource Policeman
   ► Accepted (z/TPF).

There are a total of **40** requirements in this category.

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# Newly Available Requirements

- **S95010 - Data Collection File Intercept Information**
  - ► Available with PJ29776 on TPF4.1 PUT 19.

- **S99014 - Add Support for PPRC**
  - ► Available with PJ29675 on TPF4.1 PUT 19.

- **S04003 - Increase Architectural Disk Limits**
  - ► Cylinder Limit Increase Available with PJ29776 on TPF4.1 PUT 19.

# Current Accepted Requirements

- **A96001 - High Level Assembler Support for FLAG / NOCONT**
  - ► Accepted Fall 2004 (z/TPF).

- **A96006 - Stack Mechanism in TPF Assembler**
  - ► Accepted Fall 2004 (z/TPF).

- **L03001 - Enable Packaging of TPF Assembler Segments into DLMs**
  - ► Accepted Fall 2004 (z/TPF).

- **REQI517 - Resource Policeman**
  - ► Accepted Fall 2004 (z/TPF).

# Current Accepted Requirements

- **S95001 - OPR Dump Processing Enhancements**
  - ► Accepted Fall 2004 (z/TPF).

- **S97002 - Enhanced SMP Message Parsing**
  - ► Accepted Fall 2004 (z/TPF).

- **S98005 - 4K Global Record Support**
  - ► Accepted Fall 2004 (z/TPF).

- **S99005 - Heap Storage Tape Read/Write**
  - ► Accepted Fall 2004 (z/TPF).

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# Current Accepted Requirements

- **S99009 - TPF DASD I/O Queuing Options**
  - ► Accepted Fall 2004 (z/TPF).

- **S99012 - Snapc Macro Trace Display**
  - ► Accepted Fall 2004 (z/TPF).

- **S00007 - CTL-4 Changes**
  - ► Accepted Fall 2004 (z/TPF).

- **S00013 - LODIC Enhancements**
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# Current Accepted Requirements

- **S01005 - Implement Fast Link Macro Trace Facility**
  - ► Accepted Fall 2004 (z/TPF).

- **S04002 - Deliver TPFDF PUTs in same format as non-TPFDF PUTs**
  - ► Accepted Fall 2004 (z/TPFDF).

- **S04003 - Increase Architectural Disk Limits**
  - ► Accepted Fall 2004 (z/TPF).

- **O03002 - Report Total & TPF Utilization under Hypervisor (VM/LPAR-shared)**
  - ► Accepted Fall 2004 (TPF 4.1).

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# Current Accepted Requirements

- **O03004 - CP Dumps with SYSDUMP=NO Need ZIDOT Override Option**
  - ► Accepted Fall 2004 (z/TPF).

- **D96004 - Increase Number of Globals Loaded in Extended Area**
  - ► Accepted Fall 2004 (z/TPF).

- **D96014 - Vendor Exits for Online Database Reorg**
  - ► Accepted Fall 2004 (z/TPF).

# Current Accepted Requirements

- **D97003 - Global Display / Alter Command**
  - ► Accepted Fall 2004 (z/TPF).

- **D97004 - Keypointable & Syncable Header Stripped Records**
  - ► Accepted Fall 2004 (z/TPF).

# TPFDF Requirements

# New Requirements from Spring 2004 Users Group

- **DF00171 - Improve response from ZUDFM OAA**
  - ► Accepted (z/TPFDF).

- **DF00172 - ZUDFM provide summary display of option bits**
  - ► Likely.

- **DF00173 - ZUDFM should provide FULLFILE option**
  - ► Not Likely.

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# New Requirements from Spring 2004 Users Group

- **DF00174 - Support additional lock options**
  - ► Not Likely.

- **DF00175 - Status display for Data Collection**
  - ► Likely.

- **DF00176 - Transmit metadata from DBDEFs to other hosts**
  - ► Likely.

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# Status Changes

- DF00159 - use keyblock only if more than 6 keys are defined
  - ► was: Likely.
  - ► now: Accepted (z/TPFDF).

- DF00169 - allow user defined equates
  - ► was: Likely.
  - ► now: Accepted (z/TPFDF).

# Top Requirements - Spring 2004 Voting

- **DF00153 - TPFDF C++ API**
  - ► Likely.

- **DF00073 - Deindex child files should be automatic if empty**
  - ► Likely.

- **DF00152 - TPFDF C API Improvements**
  - ► Likely.

There are a total of 53 TPFDF requirements (top 13 are *likely* or *accepted*)

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# 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).

- **DF00171 - Improve response from ZUDFM OAA**
  - ► Accepted Fall 2004 (z/TPFDF).

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