



ASG-ZekeTM Enhancement Summary

Version 5.1 for OS/390

March 8, 2001
AZM1000-51

This enhancement summary describes the new features, updated functions, and performance improvements included in ASG-Zeke (herein called Zeke) version 5.1.

System Enhancements

For more information on the following system enhancements, refer to the *ASG-Zeke OS/390 Installation Guide*.

IBM Sysplex

Optionally, Zeke can use the Sysplex Coupling Facility to process its communication records, instead of the Zeke database. This improves communication and reduces I/O on the database. You simply specify the PLEXID with the RESTORE or CREATE command and then set the startup parameter XCF=YES. This must be the same for all started tasks sharing the database. Refer to the *ASG-Zeke Installation Guide* for details.

Started Task Startup Parameters

New startup parameters for Zeke allow you to start Zeke with the dispatcher on hold, start at a disaster recovery site without the vault dataset, or override certain generation options. The parameters are kept in a parm library member. For example:

Startup Parm	Description
SYSHOLD=YES	Causes Zeke to start with the dispatcher on hold.
VAULT=NO	Enables Zeke to start at a disaster recovery site without the vault dataset.

Startup Parm	Description
DSPACE=NO	Overrides the generation options and starts the started task without an EDB dataspace.
XCF=YES	Enables Zeke to use the Sysplex Coupling Facility.

OS/390 Compatibility

Zeke now supports four-digit initiator names, in compliance with JES2 4.3 and above.

Event Definition

For more information on the following event definition enhancements, refer to the *ASG-Zeke OS/390 User Guide*.

Increase Event Numbers to Six Digits

Zeke event numbers have been increased to 6 digits. This allows you to define and maintain up to 999,999 events on a single Zeke database as long as the database size is sufficient.

Non-Executable Events

An event can be defined as *non-executable*. Non-executable events are scheduled like any other event, and are useful as predecessors to other events. A non-executable event is never submitted to JES for JCL execution. After dispatch, the event status automatically changes to indicate success and any dependent events are triggered.

30-Byte Jobnames for Non-OS/390 Events

Zeke supports a 30-byte mixed-case jobname in the event definition for a non-mainframe event and for any jobname used in a WHEN condition. This allows for greater flexibility in defining WHEN conditions of events that execute on other platforms. If an event is scheduled to run on an OS/390 system, then its jobname is limited to eight characters.

New Event Type for REXX Events

A new REXX event type allows Zeke to dispatch and track REXX execs. REXX execs are commonly used to customize various Zeke functions, such as messages and commands. REXX events can be defined using the ISPF online facility or batch. REXX events can be reported or simulated like other event types.

Note: _____

To implement the use of REXX events, OASIS/ECF must be installed and set up. Refer to the *ASG-OASIS Installation Guide* for instructions.

Improved WHEN Condition Processing

WHEN condition processing using the Event Master Record Functions screen has been enhanced to allow the following functions:

- All standard ISPF commands, such as FIND, CHANGE, CHANGEALL, SAVE and CANCEL are now available.
- Scrollable WHEN conditions.
- Limit on the length of jobnames used in a WHEN condition has been increased to 30 characters.

Scheduling

Improved Flexibility in Adding or Deleting Events from the Schedule

Zeke now allows you to add an entire schedule for a run date other than the current date. All events added to the schedule will have the specified run date.

Scheduled events can now be deleted from the schedule by group ID, application ID, and user ID. Scheduled events that meet all of the specified criteria are cleared from the schedule. If only partial criteria or no criteria are met, then the events remain in the schedule.

Example:

```
ZDEL APPL PAYROLL
```

Schedule View

For more information on the following Schedule View enhancements, refer to the *ASG-Zeke OS/390 User Guide*.

AUTO Command

The maximum wait time to break out of update mode is now specified using the INTERVAL command.

When the screen is in automatic monitoring mode, a message at the bottom of the screen indicates that AUTO mode is on and displays the latest INTERVAL command settings.

INTERVAL Command

The following parameters are new for the INTERVAL command.

Parameter	Description
rate wait	<p>These two new operands control the automatic monitoring mode. The first number {rate} is the seconds between automatic refreshes. The second number {wait} is how often to check for a request to exit AUTO mode.</p> <p>To change the timing of screen refreshes, enter <code>INT rate wait</code> where <i>rate</i> is a range from wait value to 3660 seconds and <i>wait</i> is a range from 1 to 255. Both parameters are optional and have default values of 5. Additionally rate must be a multiple of wait; however, this is calculated and changed automatically.</p> <p>For example, to refresh the screen every 10 seconds and to check for an exit AUTO mode request every 5 seconds, enter <code>INT 10 5</code>.</p>

Operator Commands

For more information on the following operator command enhancements, refer to the *ASG-Zeke OS/390 Reference Guide*.

ZADD Command

The following parameters are new for the ZADD command.

Parameter	Description
APPLiCation	<p>Adds one or more events with the specified application ID to the schedule. The MULTAP generation option (see "MULTAP" on page 9) indicates the action to take when more than one event matches the specified application ID.</p> <p>Example:</p> <pre>ZADD APPL ACCT</pre> <p>Adds events with the application ID of ACCT to the schedule.</p>
CURRplus	<p>Updates the scheduled event's start time by adding the specified amount of time (hhmm) to the event's start time. If the event does not have a start time specified, then the CURRPLUS value is added to the current time.</p> <p>Example:</p> <pre>ZADD EV 123 CURRPLUS 0130</pre> <p>Changes the start time of event 123 to 1 hour and 30 minutes from the current start time.</p>
GRoup	<p>Adds one or more events with the specified group ID to the schedule. The MULTGR generation option (see "MULTGR" on page 9) indicates the action to take when more than one event matches the specified group ID.</p> <p>Example:</p> <pre>ZADD GROUP OPR</pre> <p>Adds events with the group ID of OPR to the schedule.</p>
PREView	<p>Displays a list of the events that would be added to the schedule if you submitted the ZADD command with the criteria currently specified.</p>

Parameter	Description
RUN	<p>Adds the event to the schedule using the event master record information. Adds the event to the schedule ready to run. The RUN option satisfies the event's time, WHEN, NOTACTIVE, and operator confirmation conditions.</p> <p>Example:</p> <pre>ZADD JOB TSO1H001 RUN</pre> <p>Using the RUN option is the same as using the ZALTER RUN operator command.</p>
USERid	<p>Adds one or more events with the specified user ID to the schedule. The MULTUS generation option (see "MULTUS" on page 9) indicates the action to take when more than one event matches the specified user ID.</p> <p>Example:</p> <pre>ZADD USER DEV</pre> <p>Adds events with the user ID of DEV to the schedule.</p>

ZALTER Command

The following parameters are new for the ZALTER command.

Parameter	Description
CONTROL	<p>Indicates whether this event is tracked as a Zeke-controlled event. Zeke-controlled events are tracked throughout the entire execution. You can also define the event as 'non-executable.' This means the record can be scheduled as normal, but the JCL is not dispatched. Instead when the event is dispatched, the event's status changes to SUCCESS and other event's are triggered.</p> <p>YES—Default. Zeke recognizes this event as a Zeke-controlled event.</p> <p>NO—Zeke does not recognize this event as Zeke-controlled and marks the event as DONE upon dispatch.</p> <p>NX—The event is marked non-executable. The event is scheduled and the status changes to SUCCESS at the appropriate time. However, the JCL is not executed.</p>
FAILURE	<p>Marks the event a FAILURE and triggers all the failure dependencies.</p>

ZDELETE Command

The following parameters are new for the ZDELETE command.

Parameter	Description
APPLication	<p>Deletes one or more events with the specified application ID from the schedule.</p> <p>The MULTAP generation option (see "MULTAP" on page 9) indicates the action to take when more than one event matches the specified application ID.</p> <p>Example:</p> <pre>ZDEL APPL PAY</pre> <p>Deletes all events with the application ID of PAY from the schedule.</p>
GRoup	<p>Deletes one or more events with the specified group ID from the schedule.</p> <p>The MULTGR generation option (see "MULTGR" on page 9) indicates the action to take when more than one event matches the specified group ID.</p> <p>Example:</p> <pre>ZDEL GROUP OPR</pre> <p>Deletes all events with the group ID of OPR from the schedule.</p>
PREView	<p>Displays a list of the events that would be deleted from the schedule the ZDELETE command string were submitted with the current criteria and without the PREVIEW parameter.</p>
USERid	<p>Deletes events with the specified user ID from the schedule.</p> <p>The MULTUS generation option (see "MULTUS" on page 9) indicates the action to take when more than one event matches the specified user ID.</p> <p>Example:</p> <pre>ZDEL USER DEV</pre> <p>Deletes all events with the user ID of DEV from the schedule.</p>

ZDISPLAY Command

The STATUS parameter is new for the ZDISPLAY command.

Parameter	Description
STATUS	Selects events of a specified status to display. Valid statuses are: SCHeduled —Displays scheduled events with time conditions and dependencies that are not yet satisfied. QUEued —Displays scheduled events in the dispatch queue. DISpatched —Displays scheduled events that are dispatched but not yet running. ACTive —Displays scheduled events that are running. SUCcess —Displays scheduled events that completed successfully. FAIl —Displays scheduled events that failed to complete.

ZRELEASE Command

You can now use the ZRELEASE command to release an event even if the system is on hold.

Generation Options

For more information on the following generation options enhancements, refer to the *ASG-Zeke OS/390 User Guide*.

Option	Description
DSPSCHED	<p>Indicates whether the DATASPACE option can be used for schedule loads.</p> <p>Y—Zeke estimates the size of the schedule on the database. If it estimates I/O will be reduced, the database is read into a dataspace and the schedule is loaded or reloaded from there, rather than from the database.</p> <p>N—Do not use a dataspace for the schedule load.</p>
MULTAP	<p>Indicates what to do when a ZADD or ZDELETE is issued based on an application name, but more than one event master record has the application name specified.</p> <p>A—All. Add/delete all matching records.</p> <p>F—First. Add/delete the first matching record and end the search. Default.</p> <p>N—None. Display the matching records on the console without adding/deleting any records.</p>
MULTGR	<p>Indicates what to do when a ZADD or ZDELETE is issued based on a group name, but more than one event master record has the group name specified.</p> <p>A—All. Add/delete all matching records.</p> <p>F—First. Add/delete the first matching record and end the search. Default.</p> <p>N—None. Display the matching records on the console without adding/deleting any records.</p>
MULTUS	<p>Indicates what to do when a ZADD or ZDELETE is issued based on a user ID, but more than one event master record has the user ID specified.</p> <p>A—All. Add/delete all matching records.</p> <p>F—First. Add/delete the first matching record and end the search. Default.</p> <p>N—None. Display the matching records on the console without adding/deleting any records.</p>

Batch Utilities

For more information on the following batch utility enhancements, refer to the *ASG-Zeke OS/390 Reference Guide*.

BACKUP Command

The new DATASPACE keyword for the BACKUP batch utility command creates a backup copy of the database from a temporary copy created in an OS/390 dataspace. All I/O is done against the dataspace. This means decreased database I/O and enqueue time, reducing the time for a backup by up to 75%.

Example:

```
BACKUP DISK DATASPACE
```

CREATE Command

The new PLEXID keyword for the CREATE command specifies an eight-character name uniquely identifying the Zeke database to which multiple systems are connected. Specify the PLEXID if you are using the Coupling Facility.

Example:

```
CREATE PLEXID PT4X
```

EVENT Command

The following parameters are new for the EVENT command:

Parameter	Description
SCOMSTART SCOMAPPEND	Indicates the beginning of SCOM data in the SYSIN JCL to be added to an SCOM event master record as part of the EVENT ADD or EVENT UPDATE process. The number of SCOM lines that can be added has been increased from 6 to virtually unlimited.
SCOMSTOP	Indicates the end of SCOM data to be added to an SCOM event master record as part of the EVENT ADD or EVENT UPDATE process. The SCOM data begins with either the SCOMSTART or SCOMAPPEND statement.

RESTORE Command

The new PLEXID keyword for the RESTORE command specifies an eight-character name uniquely identifying the Zeke database. Specify the PLEXID to change the PLEXID name on the database.

Example:

```
RESTORE PLEXID PT4X
```

To remove the PLEXID, specify the keyword PLEXID without a PLEXID name.

SCHEDULE Command

The batch utility command SCHEDULE can now be used to clear completed events with a previous run date by group ID, application ID, and/or user ID.

Example:

```
SCHEDULE TODAY CLEAR APP=ABC GROUP=DEP USER=PAYRL
```

Any currently scheduled events that meet all of the specified criteria are cleared from the schedule. If only partial or no criteria is met, the events remain in the schedule.

The following parameters are new for the SCHEDULE command.

Parameter	Description
DATASPACE	Creates a schedule from a temporary copy of the database created in an OS/390 dataspace. This feature reduces I/O on the database, reducing CPU time by an average of 30%. Example: <pre>SCHEDULE TODAY ACTIVATE DATASPACE</pre>
RDATE	The ACTIVATE parameter also allows you to specify an RDATE value other than the default value of today. All events added to the schedule will have the RDATE specified in the statement. Example: <pre>SCHEDULE TODAY ACTIVATE RDATE 2000364</pre> Updates the schedule with a RDATE of 12/31/2000.

Report Writer

For more information on the following Report Writer enhancements, refer to the *ASG-Zeke OS/390 Reference Guide*.

LIST EVENTS/PLAN—Event Master Record and Schedule Listings

The following parameters are new for the LIST EVENTS/PLAN command:

Parameter	Description
DATASPACE	List the information using a temporary copy of the database created in an OS/390 dataspace when generating the report. This reduces I/O on the database, allowing the batch program to execute much more quickly. Examples: LIST EVENTS DATASPACE LIST PLAN DATASPACE
TARGET	Selects event master records that execute on the specified remote system. For example, Example: LIST PLAN TARGET *remote Lists event master records that execute on the remote system named *remote. Example: LIST EVENT TARG DALLAS45 Lists event master records that execute on the remote system named Dallas 45.

The OCCURSDETAIL parameter is new for the LIST EVENTS command.

Note: _____

This parameter is not valid with the LIST PLAN command.

Parameter	Description
OCCURSDETAIL	<p>If no value is entered, selects events with OCCURS keywords.</p> <p>Example:</p> <pre>LIST EVENTS JOB OCCURS</pre> <p>Lists job events with one or more OCCURS keywords.</p> <p>If a value is specified, selects events with OCCURS clauses that contain the specified keywords.</p> <p>Example:</p> <pre>LIST EVENTS OCCURSDETAIL (MONDAYS)</pre> <p>Lists events that have an OCCURS clause that contains the keyword MONDAYS.</p>
