

*Extracting Controlled Information Using *MYTCE*

Events and Actions defined to the Integrity Controls Environment (ICE) using The Control Editor are Captured and Recorded in The ICE Control Journal(s).

The *MYICE Application provides ICE/ISPF, TSO/ISPF, Interval and BATCH access to these Journal Records for
Real-time Alerting, Configuration Monitoring, and Audit Reporting.

Getting Started with *MYTCE An ICE Application

Available in ICE 16.0



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Rev: 2020-2-23

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2 The *MYTCE Application

If you are licensed for The Control Editor (TCE), you are licensed to use *MYTCE. If not, contact NewEra Technical Support support@newera.com for a TCE Evaluation Key.

2.1 Before You Get Started

If you are a current TCE user and have configured the NSECTL ICE Parmlib Member with your specific Control Dataset/File Categories, and then NSEJRN ICE Parmlib Member to activate Command and Message Capture, you are ready to go.

If you are not a current TCE user, or have not configured NSECTL and/or NSEJRN, you will need to refer to the Configuration Instructions for both that are found in The Control Editor Users Guide. As always, should you encounter problems or just need some assistance, NewEra Technical Support is standing by ready to help, support@newera.com.

2.2 Operational Considerations

*MYTCE is a full-screen, panel driven ISPF application that attaches to data records stored in the ICE Control Journal. It may also be used in BATCH Mode, via the MYBATA Proc found in the ICE INSTLIB. See Appendix “A” of this document.

2.2.1 ICE/ISPF Vs. TSO/ISPF

*MYTCE will function under ICE/ISPF and TSO/ISPF, sometimes referred to as ‘Transparent mode’. Both environments may be functional at the same time, so you might prefer ICE/ISPF while a colleague might like TSO/ISPF. Either way, *MYTCE will be available and fully functional.

2.2.2 Accessing *MYTCE Functions in Batch

Using the PROC MYBATA, renamed of course, you may access and build reports without the need to logon to ISPF. If you select the BATCH option, it is very important that you pay very close attention to the USER PARM shown below:

```
//BATCHEX PROC NSSPRFX='IFO.TEST',  
//          SPFPRFX='ISP',  
//          NAME='MYICE',  
//          USER='PROBI1',
```

If you expect MYBATA to be able to read your configuration file or you expect for the *MYTCE interface to provide access to your report inventory reports or the setting that will be exploited by MYBATA, the value you assign to USER MUST match the UserId that was/is shown in the upper right of the *MYTCE interface panels.

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2.2.3 Permitted Users Vs. ICE Admins

*MYTCE makes a distinction between Users and Admins in its Interface Panels, Reports and Command line Functions. The UserId definitions of an ICE Admin is declared in the NSEJRN ICE Parmlib Member using the Statement Names TCEPRIME and TCEADMIN. This is an example of the NSEJRN Control Cards:

```
TCEPRIME PROBI1
TCEADMIN (RFAUL1, PHARL1, PHARL2, GBAGS1, GBAGS2, AROBI1)
```

If no UserIds are declared, all who access *MYTCE will be restricted from ADMIN Panels, Reports, and Line Commands.

2.2.4 Getting Users Started Fast

Once the ICE Journals and Transparent Mode are operational, getting users stated with *MYTCE can be as simple as sending an Email or Text stating the following:

"Logon to TSO/ISPF, on the Command Line enter 'TSO \$CLI,*MYHELP' and press enter"

What will appear for them is the following Help Panel:

```
ICE 16.0 - My Monitor Access Point - Their_UserId

Overview -----Description-----
*MY provides Interactive, Interval and Batch Access to &
Reporting of six specific System Activities Captured and
Stored in the ICE Control Journals. Activities include:
Backups, Events, Commands, MsgIds, UserIds, PswdIds.
*MY is personalized. This means that an individual user
may create a unique view of Journal Content, a view that
will best fit their specific needs. Define reports by:
Range, Scope, Format, Frequency, Deliveries, and Type.
*MY stores reports in a User Registry & Delivery Report
as Report Clusters via Email to User that OptIn to email
deliveries - Day, Wks, Mth - set by ICE Administrators.
*MY differentiates between Users & Admins, meaning that
users access their specific UserId/PswdId activity while
ICE Admins may access all UserId and PswdId Activities.
*MY fully supports the definition, scheduling and access
of your reports interactively. But it will also support
Batch execution when MYBATA is configured & submitted.
*MY may be accessed from ICE/ISPF or TSO/ISPF (when con-
figured) by line commd by entering TSO $CLI,*MYTCE then
enter MYHELP on next Command Line. *MYTCE is now yours!
```

If their interest is more in the area of BATCH Execution, they would enter this:

"Logon to TSO/ISPF, on the Command Line enter 'TSO \$CLI,*MYBATA' and press enter"

What will appear for them is the following Help Panel:

```
ICE 16.0 - My Batch Monitor Execution - Their_UserId

Overview -----Description-----
*MY foreground will set up and build Reports to 'RunNow'
```

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or schedule them for delivery by *MY Interval Monitor. As an alternative 'MYBATA', is delivered in ICE/INSTLIB. During ICE installation it along with several PROCS are copied to a System's PROCLIB. You may use 'MYBATA' as a Started TASK and/or Submit it as a JOB. The steps to use it are documented in the PROC. 'MYBATA' is intended for everyone's individual use, as such, it should not be altered from its delivered state. Instead, Best Practice is to make a copy that can be used by you and configured to meet your specific needs. For example 'MYBATA' might be copied to 'MYPATA' or 'MYBOBA' each of which is configured to meet the reporting needs of Pat and/or Bob. *MY 'MYBATA' is very flexible allowing you to change it as needed. It will support Email Delivery if the Email address and subject have been defined via the application interface. Also Command, Message, UserId and PswdId Lists, when available, are read and processed. If not available, defaults are extracted from the ICE Parmlib Member NSEJRN. Users & Admins are fully differentiated.

2.3 Panel Navigation and Functions

2.3.1 Following the Bubbles

You will note at the bottom of the each of the six primary panels :

– Backups, Events, Commands, Messages, UserId and PswdId –
Some Colored Bubbles, actually alphabetic 'O', that look something like this:

OOOOOO

They are used for navigation between and among the primary panels. To move in sequence from one panel to the next, use the PF3 key (Exit at the bottom of each panel or 'X' on the Command Line is for EXIT). Once you get used to the panel order, cursor into a bubble and press enter. This action will take you directly to the panel of your choice.

Each panel has a bubble color personality; the bubble of the panel you're using is white. Panels with inactive monitors are red. Upon entry, you are always returned to the last panel you were using, and its bubble will remain yellow until you move to another panel at which time it will resume the normal color scheme of either of white, red or blue.

2.3.2 Panel Layout and Panel Dynamics

Each of the six *MYTCE Primary Panels has a very similar panel layout and is divided into three major sections:

The first, the upper part of the panel is used for turning on and defining Email functions. If you want your reports Emailed to you and perhaps others you need to turn it on by checking "Delivery". Further, if you only want a report delivered by Email when changes from the prior report are discovered, you need to check "Changes". Of course your Email Address

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and a subject are required. Noted depending on your interval preferences Day, Week and Month are automatically prefixed to your subject.

If you are an ADMIN, take note of “≥” shown in the right margin. Cursor under it and press enter to expose additional entry fields that can be used for sending copies of your reports to other email addresses. Select “≤” to toggle back to the original. Note that if you do enter an additional Email address, the “≥” will be shown in red as a reminder that additional addresses exist but are hidden from your view.

Second, the middle section is used to indicate the intervals – time, day, etc. - when reports will be created and the schedule - daily, weekly or monthly or any combination thereof - when they will be delivered. If you are an ADMIN you may update the intervals at will, pressing enter, following an update, to dynamically activate changes. Such interval updates can be made on any panel as they are automatically passed to all six. As an ADMIN you may also set the delivery options by checking – Day, Wks, Mth – and pressing enter. Note that delivery options that are active are shown in light blue while those that are not are shown in red. Both ADMINS and users may select the delivery options by checking one or more of those available. Note that delivery availability will be the same on all panels BUT actual selection for delivery MUST be made on each and may vary from one panel to the next. In addition, the suspension of service option shown at the top of this section can only be used by an ADMIN. If unchecked, ALL interval monitors for ALL users will become inactive immediately.

The lower portion of each panel is unique to the access it provides – Backup, Events, Commands, Messages, UserId, PswdId – so each should be studied carefully. This advice notwithstanding, as a general statement this section allows you to set query ranges and query limits by – Year, Month, Day – in each case you may set/reset the starting/ending date for records to be examined by a query. If necessary you may request that only new records journaled since your last report interval be included in future reports. This section also support various reporting formats. Active-Matrix is limited to interactive panel sessions. If selected in conjunction with a reporting interval, the interval report will automatically default to the In-Summary format. The In-Summary format is a one line summary of an event, good for finding query targets. MetaDetail provides more information and is the recommended format for interval reports while FullDetail will dump the entire journal content and is not recommended for interval reports that span broad query ranges. Finally, you will find a pause function which is specific a given user’s monitors. Checking it will pause, suspend, just the related monitor.

In addition to the Control - Dataset, Library, File - definitions needed for Backup and Event Panels certain other panels – Commands, Messages, PswdId – have operational prerequisites as well. Commands requires that COMMAND Capture be turned on in NSEJRNxx along with the naming of Command Classes or specific Commands. Messages

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has a similar requirement, MESSAGE Capture must also be turned on in NSEJRNxx along with the defining of specific message identification and possibly multi-line specifications. PswdId requires RACF and the installation of certain RACF specific EXITs. When these prerequisites are not, satisfied notices of such will appear in the lower part of the panel above the bubbles. The functions of the panel will remain in-operative until the requirements are satisfied.

2.4 Line Commands

Each Interface Panel supports five Line Commands:

2.4.1 Available to All Users

To access the Interval and/or Batch Report Inventory, enter 'REPS' and press enter. This Action will display the following list of your UserId-Specific available reports.

To access your UserId-Specific Configuration File, enter 'MYCF' and press enter. This Action will display, in ISPF View, your configuration. Take note of the Dataset name; it may be needed by NewEra Technical Support should problems arise.

2.4.2 Available only to Admins

These actions are limited to ICE Admins only.

To access the TCE Dataset/File Control List, enter 'CATS' and press enter. This Action will display the current Category List in an interactive session allowing one to drilldown to individual datasets and files which may then be Edited, Restored, and/or Audited.

To access the TCE Boundary Definitions – Datasets, Files, Commands, Messages – enter 'BNDS' and press enter. This action will display the TCE Boundary Selection Panel.

To access a list of all users that have requested Email delivery of their monitor reports, enter 'MAIL' and press enter. The resulting panel will display email recipients. Used PFK1 for details on this panel which may be use to communicate changes in the delivery schedule to all or selected *MYTCE users.

2.5 Support for PSWD

PSWD is a unique ICE function that allows a user to take personal control over the monitoring of their logon credentials. It will report logon attempts that succeed and those that fail (bad password, expired password). It will report password resets, successes and failures, and give notice of password expiration. Its alert notifications are bounded by user-specific, easily defined starts and ends, by day, date, and time parameters.

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It supports only IBM z/OS Security Server RACF and only with the installation of PSWD-specific RACF EXITs. When the environment is not RACF, the panel interface is diminished with dynamic removal of the PswdId Interface. When the environment is RACF, but the required RACF EXIT is not present, the PswdId Interface remains; however, attempts to access it will produce a message stating that the EXIT is not present/operational.

``RACF Exits Needed'`

All other *MYTCE access panels and functions do not require these EXITs and it should be noted that all other the Integrity Controls Environment (ICE) functions fully support IBM RACF, Broadcom ACF2, and Broadcom Top Secret.

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3 Backup Journals

The first rule of System Programming Best Practices is - Always make a backup before you make a change to a configuration dataset or file. TCE automatically makes full backups of critical components and *MYTCE provides access to them via the panel shown below.

3.1 Panel Interface

```
-NSIMGBL 0121- ICE 16.0 - My Backup Journal Reports - PROBI1

Delivery Settings: Check for EMail Deliver /. on Report Change Only /.
Subject: AUDIT/ACTIVITY REPORTS _____
Send To: PRR@NEWERA.COM _____ >
-----
Interval Settings: Check Activates, UnCheck Suspends All Monitor(s) /.
/. Day - Set Time 10 : 49 and Interval 12 Specify an Hour Interval
      24 : mm      Values 1|2|3|4|6|8|12|24:Use Blank
/. Wks - Set Time 10 : 20 and Interval MON _____
      24 : mm      Values SUN,MON,TUE,WED,THR,FRI,SAT
.. Mth - Set Time ___ : ___ and Interval _____
      24 : mm      Values 1,2,3,10,15,20,25,30 or EOM
-----
Backup Journal Report Specifications: Activate /. Current 047 Journals
--1----- Set the Data Characterization Profile -----1--
      by Category .. or by Event ___ /.
----- Set the Journal Query Limit -----
.. All or .. Num 35_ or .. Rng 36-45_ or /. After YY 20 MM 01 DD 01
----- Set the Report Format -----
      Summaries .. or MetaDetails ..      NewOnly ..

Check to Pause: ..      [C] O O O O O      Exit      RunNow
```

3.2 PFK1 Help

```
ICE 16.0 - My Backup Journal Reports - PROBI1

Overview -----Description-----
Controlled Datasets - PDS, SEQ, LOAD, UNIX - are named
in Categories in the NSECTLxx ICE Parmlib Member. Once
defined and activated, an Initial Backup (But Not for
Load Libraries) is taken and stored in a purpose built
journal, a 'Backup Journal' that contains only Backups.

SetUp--- -----Description-----
1      To turn the Monitor ON/OFF, Check/UnCheck Activate.
2      Check Data Characterization: Category or Event/Class.
3      Set Query Limit: All, Number, Range or yy/mm/dd.
4      Select a Format: Summary or MetaDetail.
5      Check NewOnly if only 'New' entries are desired.
6      Click 'RunNow' to visualize your defined Backup Reports.

Delivery -----Description-----
If you want Email Delivery, Enter Address & Subject, now
delivery - Day, Wks, Mth - Admin controls Time/Interval.

LineCmds -----Description-----
Reports Or REPS displays Monitor Reporting History & Access.
Category Or CATS shows the Current Categories & Access.
Boundary Or BNDS shows the Boundary Definitions & Access.
MyConfig Or MYCF displays your active *MY Configuration.
```

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4 Event Journals

The second rule is – Update your backup as changes are made, and maintain the versions as valued restore point, and the source of configuration audit reporting. TCE records these updated versions and *MYTCE provides access to them via the panel shown below.

4.1 Panel Interface

```
-NSIMGBL 0121- ICE 16.0 - My Event Journal Reports - PROBI1

Delivery Settings: Check for EMail Deliver /. on Report Change Only /.
Subject: AUDIT/ACTIVITY REPORTS _____
Send To: PRR@NEWERA.COM _____ >
-----
Interval Settings: Check Activates, UnCheck Suspends All Monitor(s) /.
/. Day - Set Time 10 : 49 and Interval 12 Specify an Hour Interval
                24 : mm      Values 1|2|3|4|6|8|12|24:Use Blank
.. Wks - Set Time 10 : 20 and Interval MON_____
                24 : mm      Values SUN,MON,TUE,WED,THR,FRI,SAT
.. Mth - Set Time  _ :  _ and Interval _____
                24 : mm      Values 1,2,3,10,15,20,25,30 or EOM
-----
Event Journal Report Specifications: Activate /. Current 232 Journals
--1----- Set the Data Characterization Profile -----1--
              by Category /. or by Event _____ ..
----- Set the Journal Query Range -----
Begins with /. YY 20 MM 01 DD 01 & Ends with .. YY 20 MM 01 DD 13
----- Set the Report Format -----
              Summaries .. or MetaDetails /.      NewOnly ..

Check to Pause: ..          O  O O O O      Exit      RunNow
```

4.2 PFK1 HELP

```
ICE 16.0 - My Event Journal Reports - PROBI1

Overview -----Description-----
As Events - Edit, Add, Delete, Rename, Submit, Restore,
Attempts and Others - occur they are captured and stored
in EventJournals. These may be programmed to 'RollOver'
based on Content Limit or Time or Manually. The current
journal is often referred to as the Open Journal.

SetUp-----Description-----
1 To turn the Monitor ON/OFF, Check/UnCheck Activate.
2 Check Data Characterization: Category or Event/Class.
3 Set Query Limit: All, Number, Range or yy/mm/dd.
4 Select a Format: Summary or MetaDetail.
5 Check NewOnly if only 'New' entries are desired.
6 Click 'RunNow' to visualize your defined Event Report.

Delivery -----Description-----
If you want Email Delivery, Enter Address & Subject, now
delivery - DAY, Wks, Mth - Admin control Time/Intervals.

LineCmds -----Description-----
Reports Or REPS displays Monitor Reporting History & Access.
Category Or CATS shows the Current Categories & Access.
Boundary Or BNDS shows the Boundary Definitions & Access.
MyConfig Or MYCF displays your active *MY Configuration.
```

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5 Command Events

Once IPLed, the state of a System IMAGE may be altered via Operator Commands. TCE Command Intercept captures and records identified commands and stores them, with accompanying text. *MYTCE provides access to them via the panel shown below.

5.1 Panel Interface

```
-NSIMGBL 0121- ICE 16.0 - My Command Class Reports - PROBI1

Delivery Settings: Check for EMail Deliver /. on Report Change Only /.
Subject: AUDIT/ACTIVITY REPORTS _____
Send To: PRR@NEWERA.COM _____ >
-----
Interval Settings: Check Activates, UnCheck Suspends All Monitor(s) /.
/. Day - Set Time 10 : 49 and Interval 12 Specify an Hour Interval
                24 : mm      Values 1|2|3|4|6|8|12|24:Use Blank
.. Wks - Set Time 10 : 20 and Interval MON_____
                24 : mm      Values SUN,MON,TUE,WED,THR,FRI,SAT
.. Mth - Set Time ___ : ___ and Interval _____
                24 : mm      Values 1,2,3,10,15,20,25,30 or EOM
-----
Command Range: /. Begins YY 20 MM 01 DD 10 & /. Ends YY 20 MM 01 DD 12
--1----- Check to Select Command by Name -----1--
.. SET_DMN_ .. SET_OMVS .. MODALL_ / . MISALL_ .. SETALL_
.. _____ .. _____ .. _____ .. _____ .. _____
.. _____ .. _____ .. _____ .. _____ .. _____ >
----- Set the Report Format -----
Summaries .. or MetaDetails / .      NewOnly ..

Check to Pause: ..          O O  O O O          Exit          RunNow
```

5.2 PFK1 HELP

```
ICE 16.0 - My Command Class Reports - PROBI1

Overview -----Description-----
Command Boundaries are defined in the NSEJRNxx ICE Parm-
lib member. These definitions may include specific ind-
ividual named Commands/Command Groups - SETALL, MODALL,
MISALL. When defined & activated, their occurrence will
be captured (Command and System Response) and recorded
in the Current 'OPEN' Journal. Default Category names
- NEZSETR.CMD.SETS, NEZSETR.CMD.MODS, NEZSETR.CMD.MISC -
are assigned to each as they are recorded. Other RACF,
ACF2 and Top Secret Commands may be defined & Captured.
They are currently not accessed via the *MY interface.

SetUp-----Description-----
1 To turn the Monitor ON/OFF, Check/UnCheck Activate.
2 Report After: Enter Year 'YY', Month 'MM', DAY 'DD' as
starting point for Journal Query for Targeted Commands.
3 Click 'RunNow' to visualize your defined Command Report.

LineCmds -----Description-----
Reports Or REPS displays Monitor Reporting History & Access.
Category Or CATS shows the Current Categories & Access.
Boundary Or BNDS shows the Boundary Definitions & Access.
MyConfig Or MYCF displays your active *MY Configuration.
```

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6 Message Events

A z/OS System IMAGE will generate millions of messages; you know the important ones. Using TCE Message Capture you identify (perhaps IEF450I/SO47), TCE monitors the log and records occurrences. *MYTCE provides access to them via the panel shown below.

6.1 Panel Interface

```
-NSIMGBL 0121- ICE 16.0 - My System Message Reports - PROBI1

Delivery Settings: Check for EMail Deliver /. on Report Change Only /.
Subject: AUDIT/ACTIVITY REPORTS _____
Send To: PRR@NEWERA.COM _____ >
-----
Interval Settings: Check Activates, UnCheck Suspends All Monitor(s) /.
/. Day - Set Time 10 : 49 and Interval 12 Specify an Hour Interval
                24 : mm      Values 1|2|3|4|6|8|12|24:Use Blank
.. Wks - Set Time 10 : 20 and Interval MON_____
                24 : mm      Values SUN,MON,TUE,WED,THR,FRI,SAT
.. Mth - Set Time  :  and Interval _____
                24 : mm      Values 1,2,3,10,15,20,25,30 or EOM
-----
Message Range: /. Begins YY 20 MM 01 DD 10 & /. Ends YY 20 MM 01 DD 12
--1----- Check to Select Message by MsgId -----1--
.. HZS0420E /. IEF695I_ /. HZS0003E .. CVS410I_ .. DUMPID__
.. IEA995I_ .. _____ .. _____ .. _____ .. _____
.. _____ .. _____ .. _____ .. _____ >
- /. AllHzs_ ----- Set the Report Format ----- .. AllSys_ -
                Summaries .. or MetaDetails /.      NewOnly ..

Check to Pause: ..          O O O  O O          Exit          RunNow
```

6.2 PFK1 HELP

```
ICE 16.0 - My System Message Reports - PROBI1

Overview -----Description-----
System Messages - Single/Multi Line - are defined in the
NSEJRNxx ICE Parmlib. Such definitions may be qualified
using 'MESSAGE TEXT/STRING' to assure the target MsgIds
are being captured. While any System Message may be de-
fined, the panel provides options to report all Health-
Check(Check ALLHZS)/System(Check AllSYS) Messages. When
these options are selected, all messages defined within
the HZS/SYS Message Group are reported. When they occur
and are captured, Default Category - NEZMSGID.CAPTURE -
is assigned to each as they are stored in the Journal.

SetUp-----Description-----
1      To turn the Monitor ON/OFF, Check/UnCheck Activate.
2      Report After: Enter Year 'YY', Month 'MM', DAY 'DD' as
        starting point for Journal Query for Targeted Commands.
3      Click 'RunNow' to visualize your defined Command Report.

LineCmds -----Description-----
Reports Or REPS displays Monitor Reporting History & Access.
Category Or CATS shows the Current Categories & Access.
Boundary Or BNDS shows the Boundary Definitions & Access.
MyConfig Or MYCF displays your active *MY Configuration.
```

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7 UserId Events

What has the team been up to? All Journalled events, such as Configuration Dataset/File updates, Commands Issued, or whatever, are tagged with a UserId. Individual users see only their records - Admins see it all. *MYTCE provides access to both via the panel shown below.

7.1 Panel Interface

```
-NSIMGBL 0121- ICE 16.0 - My UserId Activity Reports - PROBI1

Delivery Settings: Check for EMail Deliver /. on Report Change Only /.
Subject: AUDIT/ACTIVITY REPORTS _____
Send To: PRR@NEWERA.COM _____ >

Interval Settings: Check Activates, UnCheck Suspends All Monitor(s) /.
/. Day - Set Time 10 : 49 and Interval 12 Specify an Hour Interval
                24 : mm      Values 1|2|3|4|6|8|12|24:Use Blank
/. Wks - Set Time 10 : 20 and Interval MON_____
                24 : mm      Values SUN,MON,TUE,WED,THR,FRI,SAT
.. Mth - Set Time  :  and Interval _____
                24 : mm      Values 1,2,3,10,15,20,25,30 or EOM

User-Id Range: /. Begins YY 20 MM 01 DD 11 & /. Ends YY 20 MM 01 DD 12
--1----- Check to Select Users by UserId -----1--
/. PROBI1__ /. AROBI1__ .. _____ .. _____ .. _____
.. _____ .. _____ .. _____ .. _____ .. _____
.. _____ .. _____ .. _____ .. _____ .. _____ >
----- Set the Report Format ----->
Summaries .. or MetaDetails /.      NewOnly ..

Check to Pause: ..      O O O O  O      Exit      RunNow
```

7.2 PFK1 HELP

```
ICE 16.0 - My UserId Activity Reports - PROBI1

Overview -----Description-----
The UserId Associated with Events and/or Commands that
may impact a Dataset and/or Command Controlled Boundary
is recorded within the UserId field of the Journal Meta
Information. This panel supports the query of that field
for building reports. Note however, that Users & Admins
are treated very differently. A User may only build rep-
orts that reflect his own unique activity. An Admin, on
the other hand, may specify Target list (up to 30) User-
Ids and build a single report that reflects all of their
Event and Command activities.

SetUp-----Description-----
1 To turn the Monitor ON/OFF, Check/UnCheck Activate.
2 Report After: Enter Year 'YY', Month 'MM', DAY 'DD' as
starting point for Journal Query for Targeted UserIds.
3 Click 'RunNow' to visualize your defined UserId Report.

LineCmds -----Description-----
Reports Or REPS displays Monitor Reporting History & Access.
Category Or CATS shows the Current Categories & Access.
Boundary Or BNDS shows the Boundary Definitions & Access.
MyConfig Or MYCF displays your active *MY Configuration.
```

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8 PswdId Events

This unique feature of ICE is designed to allow privileged users to play a more active role in the perimeter defense of z/OS. When operational, users' logon/reset alerts are sent as directed and Journalled. *MYTCE provides access to Users/Admins via the panel shown below.

8.1 Panel Interface

```
-NSIMGBL 0121- ICE 16.0 - My Monitored PswdId Reports - PROBI1

Delivery Settings: Check for EMail Deliver /. on Report Change Only /.
Subject: AUDIT/ACTIVITY REPORTS_____
Send To: PRR@NEWERA.COM_____ My Alias /. MYDEFENSE__ >
-----
Interval Settings: Check Activates, UnCheck Suspends All Monitor(s) /.
/. Day - Set Time 10 : 49 and Interval 12 Specify an Hour Interval
                24 : mm          Values 1|2|3|4|6|8|12|24:Use Blank
.. Wks - Set Time 10 : 20 and Interval MON_____
                24 : mm          Values SUN,MON,TUE,WED,THR,FRI,SAT
.. Mth - Set Time  :  and Interval _____
                24 : mm          Values 1,2,3,10,15,20,25,30 or EOM
-----
Pswd-Id Range: /. Begins YY 20 MM 01 DD 01 & /. Ends YY 20 MM 01 DD 09
--1-Start Y 20 M 01 D 12 --Realtime Alert---End Y 20 M 06 D 10 -1--
/. Logons Time Start 10 : 00 End 12 : 30 On ALL_____
/. ReSets Time Start 20 : 00 End 08 : 20 On FRI,SAT,SUN,MON,WED_____
/. Expire ExpPattern 10,5,1,0,_____ <
----- Set the Report Format -----
Summaries /. or MetaDetails ..          NewOnly ..

Check to Pause: ..          O O O O O 0          Exit          RunNow
```

8.2 PFK1 HELP

```
ICE 16.0 - My Monitored PswdId Reports - PROBI1

Overview -----Description-----
PSWD is a unique feature of ICE. When enabled, Specific
RACF EXITs are required, it will capture UserId Events
- LOGON/ATTEMPT and PASSWORD/PHRASE RESET/ATTEMPT and
provide PASSWORD Expiration Notification - for each user
that activates one or more of these services. Note that
in reporting, Users and Admins are treated differently.
Users may only access their specific events. Admins, on
the other hand may access all PSWD user(Pswd) entries.

SetUp--- -----Description-----
1 To turn the Monitor ON/OFF, Check/UnCheck Activate.
2 Report After: Enter Year 'YY', Month 'MM', DAY 'DD'.
3 Logons:Check and Set Start/End Time & Active Days(SUN).
4 Resets:Check and Set Start/End Time & Active Days(FRI).
5 Expire:Check and Set Notice Days(30,10,5,3,1,0).
6 Click 'RunNow' to visualize your defined UserId Report.

LineCmds -----Description-----
Reports Or REPS displays Monitor Reporting History & Access.
Category Or CATS shows the Current Categories & Access.
Boundry Or BNDS shows the Boundary Definitions & Access.
MyConfig Or MYCF displays your active *MY Configuration.
```

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9 Data Characterization

Backup and Event Panels offer the unique option of choice of Data Characterization by Category or by Event/Class. While this option can be applied to all Backup and Event Format options the panels show below were generated using the Active-Matrix Option.

9.1 Characterization by Category

```

NSIMGBL 0219      ICE 16.0 - MY Controlled Category Profiles
0096
----- Control Dataset Versions - Category Profiles -----
Cm Numb ----Category---- Cm Numb ----Category---- Cm Numb ---ExcludeList--
.. 25 NSEPARM.CONTROL .. ..
.. 13 PATS.DIR5 .. ..
.. 12 SYSTEM.PARMLIB .. ..
.. 4 ADHOCMIP.INSPECT .. ..
.. 12 EVENT.NOTICE .. ..
.. 8 PAT.TEST1 .. ..
.. 6 SEQ.RPTS .. ..
.. 3 DTCC.PAGENT .. ..
.. 7 GHB.PARMLIB .. ..
.. 2 ADHOCMIP.FTP .. ..
.. 1 ADHOCMIP.OMPROUT .. ..
.. 3 DEBUG.EMAIL .. ..
.. ..
.. ..
.. ..
.. ..
.. ..
.. ..

```

9.1.1 Help Panel

```

ICE 16.0 - MY Controlled Category Profiles

Overview -----Description-----
As datasets are accessed/updated the event and the class
of event are recorded in the Control Journal along with
related details - Metadata, Descriptor, Changes and/or
the content of the dataset/member. The Panel reflects
the classification/profiling of number of dataset spec-
ified in the prior panel. To view Datasets in a given
profile select the profile using an 'S' and press enter.
In the worksheet that follows the individual Datasets
Groups are shown. Using Row and Line Commands expand the
groups, drill down group detail and build/print reports.

Reports-----Description-----
On the command line of this panel enter command 'REPORT'
and press return. This action will display a summary of
all profiled events. Enter the command 'REPORT DETAIL'
to display a report showing each event and detail.
When you exit from a Summary or Detail Report a standard
Move/Copy Utility Panel is displayed. If the service is
desired, press enter will transfer name of the temporary
dataset to panel. Press enter to display the next panel
where the desired copy dataset name is entered.

```


10 Accessing Interval Reports

Enter 'RPTS' on the command line of any primary panel and press enter to display the Report Cluster Worksheet shown below. Reports generated during an interval are contained in a single member called the Report Cluster. When new reports exist, notice of their availability is provided upon entry into the *MYTCE application.

10.1 Panel Interface

```

-NSIMGBL 0219-  ICE 16.0 - MY Monitor Report Clusters          Row 1 to 14 of 68
                                                              MY Report Clusters
----- 68 *MY Monitor Report Clusters ----- Retain 20 ---
Row Selection: Open_the_Report_Cluster Delete_Clusters Mark Delete_CutOff_Point
--- To Sort select a Sub-Head, To Query enter above Sub-Head, PFK1 for Help ---
- Row -----Interval----- -Line- -----Report Selection-----

S Num  yyyy/mm/dd  hh:mm  Deliver  Counts  Backup  Events  Commnd  MesgId  UserId  PswdId
- 001  2020/02/19  15:00  Daily    326    -Detl-  -Detl-  -Detl-  -Detl-  -Detl-  -Detl-
- 002                14:00  Daily    335    -Detl-  -Detl-  -Detl-  -Detl-  -Detl-  -Detl-
- 003                13:00  Daily    358    -Detl-  -Detl-  -Detl-  -Detl-  -Detl-  -Detl-
- 004                12:00  Daily    353    -Detl-  -Detl-  -Detl-  -Detl-  -Detl-  -Detl-
- 005                11:00  Daily   2790    -Detl-  -Detl-  -Smry-  -Detl-  -Smry-  -Smry-
- 006                10:00  Daily    139    -Detl-  -Detl-  -Smry-  -Detl-  -Smry-  -Smry-
- 007                09:00  Daily    138    -Detl-  -Detl-  -Smry-  -Detl-  -Smry-  -Smry-
- 008                08:00  Daily    121    -Detl-  -Detl-  -Smry-  -Detl-  -Smry-  -Smry-
- 009                07:00  Daily    113    -Detl-  -Detl-  -Smry-  -Detl-  -Smry-  -Smry-
- 010                05:00  Daily    111    -Detl-  -Detl-  -Smry-  -Detl-  -Smry-  -Smry-
- 011                04:00  Daily   2600    -Detl-  -Detl-  -Detl-  -Detl-  -Smry-  -Detl-
- 012  2020/02/18  08:00  Daily  15872    -Detl-  -Detl-  -Detl-  -Detl-  -Smry-  -Detl-
- 013                00:00  Daily  15872    -Detl-  -Detl-  -Detl-  -Detl-  -Smry-  -Detl-
- 014  2020/02/17  12:00  Daily  15872    -Detl-  -Detl-  -Detl-  -Detl-  -Smry-  -Detl-
    
```

10.2 PFK1 HELP

```

                                ICE 16.0 - MY Monitor Report Clusters

Overview -----Description-----
Monitor Reports are packaged in Report Clusters. This
panel presents the Clusters/Selection option for reports
contained therein. To View 'Click' either Detl or Sumy.

Columns-----Description-----
Num          The Worksheet Row Number.
yy/mm/dd     Year/Month/Day when the Cluster was built.
hh:mm        Hour when the Cluster was built.
Delivery     The Cycle of Report Delivery - Day, Wks, Mth.
Counts       Numbers of Report Records in the Cluster.
Backup       Backup Journal Reports '-----' indicates none.
Events       Event (Open & Closed) Journal Reports.
Commnd       Command Intercept/Capture Reports.
MesgId       Message (HXS & SYS) Intercept/Capture Reports.
UserId       UserId (Event, Command & Message) activity Reports.
PswdId       PSWD Activity (Logon, Reset, Expire) Notice Reports.
RowCmds-----Description-----
O            Open and View the Cluster Content.
D            Delete the Selected Cluster and its Reports.
M            Mark a Cluster and when Enter is selected, it and all
            the Clusters that follow it will be deleted.
    
```

11 Group Notification Via Email

When the interval or delivery schedule changes it's a good idea to let the users know the change has taken place. Enter 'MAIL' on the command line, press enter to display a summary of Recipients and delivery services preferences. Using the panel functions Email may be sent to individuals or groups of individuals with similar delivery preferences.

11.1 Panel Interface

```

-NSIMGBL 0219- ICE 16.0 - MY Current Email Recipients - PROBI1

.. Daily Email Delivery... Set Time 13 : 34 and Interval 1
.. PHARL3__ .. PHARL2__ .. AROBI1__ .. GBAGS1__ .. RFAUL1__
.. PROBI1__ ..          ..          ..          ..          ..          ..
..          ..          ..          ..          ..          ..          ..
..          ..          ..          ..          ..          ..          ..
..          ..          ..          ..          ..          ..          ..

.. Weekly Email Delivery.. Set Time 10 : 20 and Interval MON
..          ..          ..          ..          ..          ..          ..
..          ..          ..          ..          ..          ..          ..
..          ..          ..          ..          ..          ..          ..
..          ..          ..          ..          ..          ..          ..
..          ..          ..          ..          ..          ..          ..

.. Monthly Email Delivery. Set Time __ : __ and Interval
..          ..          ..          ..          ..          ..          ..
..          ..          ..          ..          ..          ..          ..
..          ..          ..          ..          ..          ..          ..
..          ..          ..          ..          ..          ..          ..
..          ..          ..          ..          ..          ..          ..
    
```

11.1 PFK1 HELP

```

ICE 16.0 - MY Current Email Recipients - PROBI1

Overview -----Description-----
From time to time interval and delivery schedules will
change. When this happens it is a best practice to let
user know of the changes. This panel shows, by delivery
groups, the UserIds of those that have signed up for a
specific delivery option. To send notification to
an entire group select the group and press enter.
This action will display the confirmation Popup. If you
wish to continue, optionally enter a message to accomp-
any the notification, specify 'S', press enter. From the
information an email message is generated, one that will
make note of the change, contain the delivery informat-
ion shown to the upper right of the delivery group and
the optional message, if any. The email addresses used
will be those specified by the users in their individual
*MYTCE application settings. Copy Email addresses that
may have been specified by the users will also receive
notification of the change. If the File option available
on the Popup is checked copy of the notification will be
    
```

Extracting Controlled Information Using *MYTCE

dated/saved in user registry. Users view notifications by entering 'NOTE' on the command line, pressing enter.

12 Reporting Problems

Any problem, real or suspected, should be immediately reported to NewEra Technical Support, support@newera.com. In doing so, consider what your support team might need to move things along quickly.

12.1 What Support May Need

- A screen of any offending Panel or displayed message.
- A copy of the related configuration file, if possible.
- If a Workbench issue, a copy of the IFO/IFOS Started TASK.

*MYTCE is configured as ReXX applications designed to run specifically in the NewEra Integrity Controls Environment under ICE/ISPF and natively on z/OS under TSO/ISPF. As such, as problems are reported and resolved, you will have the option to receive an update that may be installed immediately, not having to wait for the next formal patch.

12.2 Immediate Updates

If you do elect to receive an immediate update, it will come as a TEXT file Email Attachment. To install the update, take control of the file by saving it to your desktop, then allocate at least a two meg sequential dataset – your_userid.inspector_name.

Application_name:

- NSIMGBL

Next, move (FTP) the file to your mainframe host, in BINARY format, using the newly allocated file as the target. Finally, rename the file from your_userid.inspector_name to simply the inspector_name and then copy the renamed, uploaded file to hlq.SISPCLIB.

Please Email or TEXT support of your post-update findings.

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13 Appendix A – MYBATA PROC

```

// *MYTCE JOB 00000145
// *-----* 00001038
// * NEWERA *MYTCE * 00002038
// * STARTED TASK PROCEDURE * 00003038
// * * 00004038
// * NSSPRFX - PREFIX FOR IMAGE FOCUS DATASETS * 00005038
// * SPFFPRFX - PREFIX FOR IBM ISPF/PDF DATASETS * 00006038
// * NAME - APPLICATION NAME IS REQUIRED * 00007042
// * MYICE IS THE ONLY VALID NAME * 00007142
// * USER - YOUR VALID USERID IS REQUIRED * 00008042
// * DATE - REPORT EVENTS AFTER THIS DATE * 00009038
// * DATE FORMAT IS YY/MM/DD * 00009142
// * RPTS SELECT ONE OR MORE OF THE FOLLOWING: * 00009238
// * * 00009338
// * KEY REPORT CONTENTS * 00009452
// * --- ----- * 00009552
// * BAK - BACKUP CONTROLLED DATASET/FILE * 00009651
// * EVN - EVENT IMPACTING DATASET/FILE * 00009751
// * CMD - DEFINED COMMANDS CAPTURED * 00009851
// * MSG - DEFINED MESSAGES CAPTURED * 00009951
// * USR - USER ATTRIBUTION TO EVENTS * 00010051
// * PSW - LOGON/RESET/EXPIRE EVENTS * 00010151
// * * 00010238
// * IF ONE: * 00010338
// * RPTS='BAK', * 00010451
// * IF MORE: * 00010538
// * SEPERATE WITH COMMA ENCLOSE WITH * 00010638
// * PARENTHESIS AS SHOW BELOW: * 00010754
// * RPTS=' (BAK,EVN,CMD,MSG,USR,PSW) ', * 00010851
// * * 00010938
// * FMAT - USE 'SUM' FOR SUMMARY FORMAT * 00011051
// * USE 'DTL' FOR DETAIL FORMAT * 00011151
// * * 00011251
// * WHEN RPT SET BCK/EVN USE: * 00011354
// * 'SUM/CAT' FOR CATAGORY GROUPINGS * 00011451
// * 'EVN/CLS' FOR EVENT/CLASS GROUPING * 00011551
// * WILL DEFAULT TO RPT/(EVENT/CLASS) * 00011651
// * * 00011751
// * NEWS - WHEN 'YES' REPORTS ONLY NEW EVENTS * 00011851
// * WHEN 'YES/EML' WILL EMAIL IF SETUP * 00011951
// * WILL DEFAULT TO YES/(NOMAIL) * 00012055
// * * 00012151
// * TAKE NOTE: ALL PARAMETERS ARE REQUIRED. * 00012242
// * * 00012342
// *-----* 00012438
// * 00013040
// *BATCHEX PROC NSSPRFX='IFO.TEST', 00020000
// * SPFFPRFX='ISP', 00030006
// * NAME='MYICE', 00031038
// * USER='PROB11', 00032038
// * DATE='19/12/01', 00033059
// * RPTS=' (BAK,EVN,CMD,MSG,USR,PSW) ', 00034053
// * FMAT='DTL/CLS', 00035056
// * NEWS='YES/EML' 00036050
// * 00040000
// *BATCHEX EXEC PGM=IKJEFT01, 00050000
// * PARM='ISPSTART CMD(%NSIMGBL &NAME,&USER,&DATE,&RPTS,&FMAT,&NEWS) ', 00060043
// * DYNAMNBR=1200, 00070000
// * REGION=80M 00080000
// *STEPLIB DD DSN=&NSSPRFX..LOAD,DISP=SHR 00090000
// *ISPPROF DD SPACE=(TRK,(5,5,5)),UNIT=SYSDA, 00100000
// * BLKSIZE=3120,LRECL=80,RECFM=FB 00110000
// *ISPCTL1 DD SPACE=(TRK,(5,5)),UNIT=SYSDA, 00120000
// * BLKSIZE=3120,LRECL=80,RECFM=FB 00130000
// *ISPLST1 DD SPACE=(CYL,(1,1)),UNIT=SYSDA, 00140000
// * BLKSIZE=1210,LRECL=121,RECFM=FBA 00150000
// *ISPTABL DD SPACE=(TRK,(5,5,5)),UNIT=SYSDA, 00160000

```

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```
//          BLKSIZE=3120,LRECL=80,RECFM=FB          00170000
//SYSPROC DD DISP=SHR,DSN=&NSSPRFX..SISPCLB2        00180000
//          DD DISP=SHR,DSN=&NSSPRFX..SISPCLIB        00181000
//          DD DISP=SHR,DSN=&SPFPRFX..SISPCLIB        ISPF        00190000
//SYSEXEC DD DISP=SHR,DSN=&SPFPRFX..SISPEXEC        ISPF        00200000
//ISPLIB DD DISP=SHR,DSN=&NSSPRFX..SISPMENU          00210000
//          DD DISP=SHR,DSN=&SPFPRFX..SISPMENU        ISPF        00211000
//ISPEXEC DD DISP=SHR,DSN=&SPFPRFX..SISPEXEC        ISPF        00212000
//ISPLIB DD DISP=SHR,DSN=&NSSPRFX..SISPPNL2          00213000
//          DD DISP=SHR,DSN=&NSSPRFX..SISPPENU        00213100
//          DD DISP=SHR,DSN=&SPFPRFX..SISPPENU        ISPF        00213200
//ISPSLIB DD DISP=SHR,DSN=&SPFPRFX..SISPSENU        ISPF        00215000
//          DD DISP=SHR,DSN=&SPFPRFX..SISPSLIB        ISPF        00216000
//ISPTLIB DD DISP=SHR,DSN=&SPFPRFX..SISPTENU        ISPF        00217000
//NSEPARM DD DISP=SHR,DSN=&NSSPRFX..PARMLIB        ISPF        00218000
//NSEULIB DD DISP=SHR,DSN=&NSSPRFX..USERLIB        ISPF        00218100
//ICEWORK DD DISP=SHR,DSN=&NSSPRFX..ICEWORK        ISPF        00218200
//SYTSIN DD DUMMY                                    00218300
//SYTSPRT DD SYSOUT=A,HOLD=YES                       00218400
//SYSUDUMP DD SYSOUT=A,HOLD=YES                      00218500
//ISPLOG DD SYSOUT=A,HOLD=YES,                      00218600
//          BLKSIZE=129,LRECL=125,RECFM=VA          00218700
// *PEND                                             00218845
// *EXEC BATCHEX                                     00218946
***** Bottom of Data *****
```

14 Technical Support Contact Information

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