

# Sub-Capacity Reporting Tool (SCRT)

**Table of Contents** (Click to follow link)

[Sub-Capacity Reporting Tool \(SCRT\) Overview](#)

[Sub-Capacity Reporting Tool Instructions](#)

[Sub-Capacity Reporting Tool Frequently Asked Questions](#)

[Sub-Capacity Reporting Tool Recommended Maintenance](#)

[Sub-Capacity Reporting Tool Download](#)

[Submitting SCRT Reports to IBM](#)

[SCRT Country Code and e-mail List](#)

[Help with Submitting SCRT Reports to IBM](#)

[Mobile Workload Reporting Tool \(MWRT\)](#)

## Sub-Capacity Reporting Tool (SCRT) Overview

The Sub-Capacity Reporting Tool (SCRT) allows you to generate Sub-Capacity reports or Multiplex reports.

- You must submit Sub-Capacity report(s) to IBM each month in order to qualify for sub-capacity charges for any of the following price metrics: AWLC, AEWLC, WLC, EWLC, zNALC, MWLC, or for select IPLA products on z/OS.
- You must submit a Multiplex report to IBM each month in order to qualify for sub-capacity Country Multiplex License Charges (CMLC), and/or sub-capacity Multiplex zNALC (MzNALC), along with select IPLA products on z/OS.

**For the list of currently available SCRT release levels**, as well as the minimum required version for submission of SCRT Reports, please see the [IBM Sub-Capacity Reporting Tool \(SCRT\) Current Levels \(PDF, 393 KB\)](#) document. This document also includes the features and updates listed by version and release.

Prior to [downloading](#) SCRT, you will be required to obtain an IBM ID (formerly known as an IBM Registration ID). As part of the [IBM ID registration](#) process you will be asked to provide your e-mail address and company name.

If you would like to be informed about planned changes to SCRT, new versions of SCRT, and other news related to Sub-Capacity software pricing from IBM then you should subscribe to SCRT news updates using the Email Subscription function of IBM's [LMS website](#). No special authorization is necessary for the Email Subscription function. [Instructions for subscribing and managing your subscriptions are available on the web \(PDF, 492 KB\)](#).

Please [see the Sub-Capacity for z/OS page](#) for additional information unique to z/OS customers.

Please [see the Sub-Capacity for z/TPF page](#) for additional information unique to z/TPF customers.

Please [see the Sub-Capacity for z/VSE page](#) for additional information unique to z/VSE customers.

## Sub-Capacity Reporting Tool Instructions

**To install and use SCRT**, read the [SCRT Users Guide \(PDF, 5.9MB\)](#) to learn about installing the SCRT, collecting the correct SMF and SCRT89 records, creating the correct input datasets, running the SCRT, interpreting the Sub-Capacity Report or Multiplex Report, and submitting the reports to IBM.

Customers should review “Chapter 2. Part 2. Using the Sub-Capacity Reporting Tool” to determine which chapter of the SCRT Users Guide they should read depending upon which version of SCRT they will use. The “classic” SCRT releases lower than 10 will only generate Sub-Capacity Reports. The Java releases 10 or higher will generate both Sub-Capacity Reports and Multiplex Reports.

# Sub-Capacity Reporting Tool Frequently Asked Questions

## What is the Sub-Capacity Reporting Tool?

The Sub-Capacity Reporting Tool (SCRT) supports sub-capacity software pricing for z Systems software running in the z/OS, z/TPF, and z/VSE environments. SCRT will analyze a month of data from one or more z Systems machines, including changes to LPAR sizes and movement/addition/deletion of products across LPARs. SCRT will output a report for each machine analyzed, called a "Sub-Capacity Report", and that report will indicate the required licensed capacity for each Sub-Capacity eligible software product from IBM.

For each z Systems machine, running z/OS, z/TPF or z/VSE in 64-bit mode, wishing to qualify for sub-capacity pricing:

- SCRT must be run against SMF or SCRT89 data from that machine
- the Sub-Capacity Report must be produced for that machine
- the Sub-Capacity Report must be submitted to IBM via the web or e-mail

## How does the Sub-Capacity Reporting Tool work?

SCRT will process the following data:

- In the z/OS environment: System Management Facilities (SMF) data, specifically SMF type 70, subtype 1 (CPU Activity) records and SMF type 89, subtypes 1 and 2 (Product Use) records
- In the z/TPF and z/VSE environments: SCRT89 records

SCRT uses the data sets specified in the JCL as input and has a single data set as output. The output can be:

- A partitioned dataset (PDS) with one member for each machine found in the input data stream. Each member is one sub-capacity report.
- A sequential dataset that contains all the sub-capacity reports for the machines in the input data stream.

For a Sub-Capacity Report for a particular z Systems machine to be considered valid for software billing purposes, the input stream must contain one entire reporting period of SMF or SCRT89 records for all the z/OS, z/TPF, and z/VSE images on a given z Systems machine, from both native LPARs and guests of z/VM.

For example, imagine that you have two z Systems processors (CECA with Serial Number 12345 and CECB with Serial Number 56789) and you wish to obtain sub-capacity charges for both machines. If CECA has LPARs SYSA and SYSB while CECB has LPARs SYSX and SYSZ, you should include in your input stream the SMF and/or SCRT89 records for an entire reporting period from SYSA, SYSB, SYSX and SYSZ.

If your output dataset is a PDS then each member in the PDS corresponds to a particular machine included in the input dataset. Each member will be a comma-separated-value (CSV) flat file, referred to as a Sub-Capacity Report. Given the example above, your output PDS dataset would include two members, #12345 for CECA and #56789 for CECB.

If your output dataset is a sequential data set then the comma-separated-value (CSV) flat file will contain the Sub-Capacity Reports for both CECA and CECB.

Each Sub-Capacity Report should be downloaded to a desktop machine and reviewed for accuracy (and edited, in some cases) using any spreadsheet package and re-saved in CSV format, prior to submission to IBM via the web or e-mail. See the SCRT Instructions page for more details.

[How can I prepare for the Sub-Capacity Reporting Tool?](#)

Required service and other pre-reqs are posted on the Recommended Maintenance page.

[What report formats will IBM accept?](#)

IBM will accept reports in Comma Separated Values (CSV) or plain text (TXT) format.

[Where do I send the Sub-Capacity Report?](#)

Submit your report via the Internet as described on the Submitting SCRT Reports page. Most customers will use the License Management Support (LMS) website or LMS e-mail interface.

[Is the Sub-Capacity Reporting Tool supported? Is there a charge for using the Sub-Capacity Reporting Tool?](#)

The Sub Capacity Reporting Tool must be [downloaded from the Web site](#) and as such it does not have a Product ID number. There are no charges associated with download and/or use of the Sub-Capacity Reporting Tool. The SCRT is a supported tool and problems may be reported as described on the ["Help" section of this website](#).

There is no warranty, but IBM will accept problems submitted via the Ask Me section of this website. Fixes to SCRT will be delivered by complete refresh of the tool on this Web site. There will be no PTFs for SCRT, a full program replace will be made available with each new release.

[Do I have to manually update my Sub-Capacity Report?](#)

Under certain circumstances a "(required)" comment placeholder may appear in your Sub-Capacity Report, such as when there is less than the required amount of data submitted. If a "(required)" comment placeholder appears you must replace it with an explanation. You may do this by editing the Sub-Capacity Report prior to submitting it to IBM, or you may choose to fill in the required comment on the appropriate LMS website panel. Please see the [SCRT Users Guide \(PDF, 2.9MB\)](#) for more details.

IBM strongly recommends that you always review your Sub-Capacity Report(s) before submitting them to IBM.

[Which products are Sub-Capacity eligible? Which products do/do not have SMF89 records?](#)

See the [z Systems Software Contracts exhibits website](#) for product-level information.

## Sub-Capacity Reporting Tool Recommended Maintenance

For optimal data collection and reporting in a z/OS sub-capacity environment, IBM recommends that you apply PTFs for the following APARs:

- **REQUIRED** - must be installed prior to data collection on a zEnterprise EC12 (2827) or zEnterprise BC12 (2828) server  
**SRM** APAR OA41125 (for z/OS V1.12 through V1.13)  
**RMF** APAR OA40539 (for z/OS V1.12 through V1.13)
- **REQUIRED** - must be installed prior to data collection on a zEnterprise EC12 (2827), zEnterprise BC12 (2828), zEnterprise 196 (2817) or zEnterprise 114 (2818) server  
**SMF** APAR OA30563 (for z/OS V1.7 through V1.12)  
**WLM** APAR OA30968 (for z/OS V1.10 through V1.12)  
**RMF** APAR OA29530 (for z/OS V1.10 through V1.12)
- **REQUIRED** - must be installed prior to data collection  
**WLM** APAR OW55509 to allow WLM to calculate rolling 4-hour average utilization data and pass that calculation to a systems management tool, such as RMF, for all native z/OS LPARs. PTFs are available for z/OS Version 1, Releases 1 through 4.
- **BCP** APAR OA20314 to allow customers who prefer not to change LPAR names to qualify for zNALC to use the "LICENSE=ZNALC" IPL parameter to indicate a zNALC LPAR
- **WLM** APAR OA02710 to correct the MSU calculations for z890s, z990s and future machines
- **WLM** APARs OW50998 and OW52306 to correct minor discrepancies between announced and calculated (SRM) machine capacity
- **WLM** APARs OW49277, OW48894, and OW47277 to improve rolling 4-hour average and softcapping algorithms
- **SMF** APAR OW50959 & **DB2** APAR PQ51040 are used together to reduce the overhead involved in writing SMF89 records from DB2
- **SMF** APAR OA11036 must be applied before the SMF type 89 records are collected with an LPAR date set to the future or the past
- **RMF** APAR OA11375 must be applied before the SMF type 70 records are collected with an LPAR date set to the future or the past
- **Debug Tool** APAR PK30452 (V5) or PK25531 (V6) corrects the SMF89 data reporting problem when Debug Tool product code executes as part of Debug Tool Utilities and Advanced Functions
- **IMS** APAR PQ46529 corrects a data error when IMS cuts SMF89 records
- **WebSphere Application Server for z/OS V5** APARs PQ72892, PQ72893, PQ72894, and PQ67319 (corresponds with Service Level W500002) correct data error when WebSphere cuts SMF89 records
- **CMF** - If you are using CMF to generate SMF70 records, contact [BMC Support](#) to ensure the correct CMF level/service.

The following APARs do not directly affect SCRT, but you might find them helpful:

- **RMF** - APAR OW49536 - to correct minor inaccuracies in z/OS V1R1+ RMF Partition Data Report
- **RMF** - APAR OW49807 - to add new RMF Monitor III function to monitor the current rolling 4-hour average (applies to z/OS V1R2+)
- **RMF** - APAR OA07203 - to correct various Monitor 3 reporting problems

For optimal data collection and reporting in a z/VSE sub-capacity environment, IBM recommends that you apply PTFs for the following APARs:

- **z/VSE V4.1**
  - APAR DY47027 – to enable measurements less than 1 MSU
  - APAR DY47152 – to enable support for processing CMT data files using IJBCMTRP that exceed 32767 tracks on ECKD disks
  - APAR DY47110 – required to be installed prior to data collection to enable CMT support on z13 (2964), z13s (2965), zEC12 (2827), zBC12 (2828), z196 (2817) and z114 (2818) machines
  - APAR DY47196 – to enable extraction of SCRT89 records with DATE or TIME offsets using IJBCMTRP
- **z/VSE V4.2**
  - APAR DY47029 – to enable measurements less than 1 MSU
  - APAR DY47152 – to enable support for processing CMT data files using IJBCMTRP that exceed 32767 tracks on ECKD disks
  - APAR DY47111 – required to be installed prior to data collection to enable CMT support on z13 (2964), z13s (2965), zEC12 (2827), zBC12 (2828), z196 (2817) and z114 (2818) machines
  - APAR DY47194 – to enable extraction of SCRT89 records with DATE or TIME offsets using IJBCMTRP
- **z/VSE V4.3**
  - APAR DY47197 – to enable extraction of SCRT89 records with DATE or TIME offsets using IJBCMTRP
- **z/VSE V5.1**
  - APAR DY47645 - to enable the extraction of SCRT89 records of the current month using the option MONTH = CURRENT of IJBCMTRP
- **z/VSE V5.2**
  - APAR DY47646 - to enable the extraction of SCRT89 records of the current month using the option MONTH = CURRENT of IJBCMTRP
- **z/VSE V6.1**
  - APAR DY47647 - to enable the extraction of SCRT89 records of the current month using the option MONTH = CURRENT of IJBCMTRP

**For optimal data collection and reporting in a z/TPF sub-capacity environment please be sure to check the [z/TPF Maintenance page](#) for any required service.** On that page, select the "XLS" link in the "APAR Data" row of the table, this should launch a spreadsheet. Within the spreadsheet file you may select the "SCRT\_APARs" worksheet tab to see the z/TPF APARs which are unique to the sub-capacity environment.

**IBM always recommends that you install the most current microcode driver level available.** The following microcode patches are available to fix specific problems which affect software pricing, but please be aware that more current microcode levels may be available. Please contact your IBM service representative to coordinate installation of any microcode.

- Update the z990 software pricing MSUs; to allow z/OS WLM to measure rolling 4-hour average in terms of the new z990 software pricing MSUs.
  - Driver 52 - - MCL 058 in the EC Stream J12560

- Correct occasional minor discrepancies between expected and reported capacity in configurations that include ICFs or IFLs.
  - Driver 38 - - MCL 067 in the EC Stream J10003
  - Driver 3C - - MCL 025 in the EC Stream J10637
  - Driver 3G - - fix included in 3G
- Enhance the call home function of your zSeries server.
  - Driver 38 - - MCL 085 in the EC Stream J10005
  - Driver 3C - - MCL 097 in the EC Stream J10638
  - Driver 3G - - MCL 060 in the EC Stream J11213

## Sub-Capacity Reporting Tool Download

The Classic version of SCRT is no longer supported now that SCRT V25 is available. SCRT V25 only has Java releases, all customers must use SCRT V25 starting with the November 2017 submission period. Please see [“Differences in Missing Data messages between SCRT Classic and SCRT V25 Sub-Capacity Reports”](#) (PDF, 233KB) for an explanation of the missing data messages which now appear in all Sub-Capacity Reports.

In order to download the Sub-Capacity Reporting Tool you will need to use the [IBM Registration](#) process which most customers have already used to create their personal IBM ID.

By selecting the appropriate "Download SCRT" link below a new browser window will open and take you directly to a sign-in screen entitled "z Systems Software Licensing Tool Downloads".

- If you already have an IBM ID (which all SCRT customers using the LMS web submission process already have) then simply click the "Sign in" link to continue.
- If you have not yet registered for an IBM ID then click the "register here" link on that same page to create an IBM ID.

After you sign in you will be asked to verify that your personal information (such as email id) has not changed. Scroll down towards the bottom of the page, check the box indicating you agree to the standard license for SCRT, and click the "I confirm" link. You will then be taken to the SCRT download page where you can click the "Download now" button.

**Note:** If you would like to be informed about planned changes to SCRT, new versions of SCRT, and other news related to Sub-Capacity software pricing from IBM then you should subscribe to SCRT news updates using the Email Subscription function of IBM's [LMS website](#). No special authorization is necessary for the Email Subscription function. [Instructions for subscribing and managing your subscriptions are available on the web \(PDF, 492 KB\)](#).

### Installing SCRT

Read the [SCRT Users Guide \(PDF, 5.9 MB\)](#) to learn about installing the SCRT, collecting the correct SMF and SCRT89 records, creating the correct input datasets, running the SCRT, interpreting the Sub-Capacity Report or Multiplex Report, and submitting the reports to IBM.

Customers should review “Chapter 2. Part 2. Using the Sub-Capacity Reporting Tool” to determine which chapter of the SCRT Users Guide they should read depending upon which version of SCRT they will use. The “classic” SCRT releases lower than 10 will only generate Sub-Capacity Reports. The Java releases 10 or higher will generate both Sub-Capacity Reports and Multiplex Reports.

There are three different SCRT deliverables from which to choose: one that runs on a z/OS system, one that runs on Linux (both Linux for workstations as well as Linux for z Systems), and one that runs on Windows. Please download the deliverable that runs best in your environment.



For the list of currently available SCRT release levels, as well as the minimum required version for submission of SCRT Reports, please see the [IBM Sub-Capacity Reporting Tool \(SCRT\) Current Levels \(PDF, 393 KB\)](#) document. This document also includes the features and updates listed by version and release.

**We strongly urge you to clear your browser cache before attempting to download the SCRT deliverable.**

**Supported Report Types:**

- Sub-Capacity Reports for z/OS, z/TPF, and z/VSE with MVM
- Multiplex Reports for z/OS and z/TPF (including Sub-Capacity reporting for z/VSE on machines within a Multiplex)
- Support for CMP, zCAP, MWP, and zWPC
- Sub-Capacity Reports for independent software vendor (ISV) products

[Download z/OS deliverable](#)

[Download Linux deliverable](#)

[Download Window deliverable](#)

## Submitting SCRT Reports to IBM

The Classic version of SCRT is no longer supported now that SCRT V25 is available. SCRT V25 only has Java releases, all customers must use SCRT V25 starting with the November 2017 submission period. Please see [“Differences in Missing Data messages between SCRT Classic and SCRT V25 Sub-Capacity Reports”](#) (PDF, 233KB) for an explanation of the missing data messages which now appear in all Sub-Capacity Reports.

To obtain Sub-Capacity or Multiplex pricing for your eligible z Systems software products, you must officially submit your SCRT Sub-Capacity Report(s) or SCRT Multiplex Report to IBM each month.

Unless you have been informed otherwise, all Sub-Capacity and Multiplex customers in countries where the License Management Support (LMS) application has been implemented must use LMS to submit your SCRT reports to IBM. You may choose either of the following methods to send your SCRT report to LMS:

- **LMS Web** to upload and submit your Sub-Capacity report or Multiplex report using the LMS Web interface.
- **LMS eMail** to send your Sub-Capacity report to LMS as an e-mail attachment.

In countries or regions where LMS has not yet been implemented customers may continue to use their current submission process until notified by IBM that they must migrate to LMS. In countries or regions where LMS has not yet been implemented customers may continue to use their current submission process until notified by IBM that they must migrate to LMS.

### Getting Access to the LMS Data Submission Application

Before Sub-Capacity Reports can be submitted via LMS each customer must have a no-charge IBM ID (formerly known as an IBM Registration ID), and that ID must be authorized to use the LMS Data Submission application to submit Sub-Capacity Reports. For LMS authorization to submit Sub-Capacity Reports, do the following:

1. If you do not have one, [Request an IBM ID](#). Your IBM ID must be the same as your e-mail id.
2. [Download the LMS Data Submission Authorization Request form \(DOC, 51 KB\)](#)  
[Get Microsoft® Word viewer](#)
3. Complete the LMS Data Submission Authorization Request form, attach to an e-mail and forward to your manager for approval and submission. (You will need to specify your 2-character or 3-digit Country Code on the form. You can find it listed in the "Country Code" column of the SCRT Country Code and e-mail List page.)
4. Your manager should forward the completed LMS Data Submission Authorization Request form to the appropriate IBM regional e-mail address, listed in the "LMS Authorization Request e-mail ID" column of the SCRT Country Code and e-mail List page. Your manager's e-mail will indicate that you are authorized to submit SCRT reports for your organization.
5. IBM will process the LMS Data Submission Authorization Request form and send an automated "Access granted" confirmation e-mail to the e-mail address shown in your IBM ID. A copy of the "Access granted" e-mail will also be sent to your manager. This process may take several days, please leave enough time prior to the monthly deadline if a new person needs to submit a Sub-Capacity Report.

6. Once you have received this "Access granted" e-mail, you will be able to access the [LMS Data Submission application](#) to submit Sub-Capacity Reports. You will automatically be subscribed to receive emails from IBM about planned changes to SCRT, new versions of SCRT, and other news related to Sub-Capacity software pricing from IBM.
7. Optionally, anyone else in your organization who is not authorized to submit Sub-Capacity Reports, but who would like to be informed about planned changes to SCRT, may subscribe to SCRT news updates using the Email Subscription function of IBM's [LMS website](#). The Email Subscription function does not require any authorization. Instructions for subscribing and managing of subscriptions are available [on the web \(PDF, 474 KB\)](#).

### Reporting a Problem with LMS or the LMS website

To report an LMS outage or to obtain LMS application support, please contact the LMS Support team by phone (+44 2392 28 98 80) or e-mail ([kmsweb@dk.ibm.com](mailto:kmsweb@dk.ibm.com)).

### Submitting Sub-Capacity Reports via LMS

Submission of Sub-Capacity and Multiplex reports via the **LMS Web** interface is accomplished through the [LMS application](#) website. The LMS Web interface enables you to upload and submit your SCRT report ".csv" file, or to correct and submit a held Sub-Capacity report that you previously sent via the LMS e-mail submission process. The LMS Data Submission panel lets you choose the LMS operation you wish to perform. You can view and, if necessary, modify uploaded reports, upload newly-created reports, or look at archived reports that you have previously submitted. Please see the [SCRT Users Guide \(PDF, 5.7MB\)](#) for more information.

Submission of Sub-Capacity reports via the **LMS eMail** interface is accomplished by sending your Sub-Capacity report ".csv" file as an e-mail attachment to LMS. Multiplex reports cannot be submitted via e-mail. Sub-Capacity reports will be received, validated, and either automatically submitted to IBM or held for corrections. To use LMS eMail submission, send an e-mail containing your Sub-Capacity report to the appropriate IBM regional e-mail address listed in the "SCRT Submission e-mail ID" column of the SCRT Country Code and e-mail List page. You must send your report from the same e-mail address that you used for your IBM Registration ID, and you must include an appropriate processing parameter in the subject line of your e-mail to indicate how you want your Sub-Capacity report to be processed. Please see the [SCRT Users Guide \(PDF, 5.7MB\)](#) for more information.

LMS will send a notification back to the IBM Registration ID that uploaded or sent the report. The notification will indicate whether any corrections are needed or if the report is ready for further processing in LMS Web. Any e-mail addresses that were copied on the distribution list of the original LMS eMail submission will also receive a copy of the notification from LMS.

If the LMS notification indicates that corrections are needed, use the Data Submission function in the LMS Web interface, as described in the [SCRT Users Guide \(PDF, 5.7MB\)](#) to make corrections and complete the submission of the report for any systems that are not in Submitted status.

When the Sub-Capacity or Multiplex report has been successfully submitted - either automatically or upon correction and submission - LMS sends a confirmation receipt to the e-mail address of the IBM Registration ID that submitted the report.

## SCRT Country Code and e-mail List

The SCRT program and the LMS Authorization Request Form each require a Country Code to be used in conjunction with your Customer Number. You can find the 2-character or 3-digit Country Code for your country in the second column of the table below.

- If you are in a country or region where LMS is available, you **must** use either LMS Web or LMS eMail to submit your SCRT reports. Both options require authorization prior to first using LMS. To determine if LMS is available in your country, please refer to the third column (LMS Authorization Request e-mail ID) of the table below. If this column contains an e-mail ID, LMS is available in your country and your LMS Authorization Request Form should be sent to that e-mail ID. Non-LMS countries will have "LMS not yet available" in the third column.
  - Please note that the e-mail ID you use to submit your SCRT Report(s) is not the same as the one where you submit your LMS Authorization Request form. If you choose to use LMS eMail instead of LMS Web you must submit your SCRT Report(s) to **scrtlms@dk.ibm.com**.
  - If you are in a country or region where LMS is available but for an extraordinary reason you must submit your SCRT Report without using LMS you should submit your report to the e-mail ID in the third column.
- If you are in a country or region where LMS has not yet been implemented, you must submit your SCRT report(s) to the appropriate SCRT Submission e-mail ID listed in the fourth column of the table below.

For more information regarding how to submit an SCRT report or obtain authorization to use LMS, refer to the process described on the Submitting SCRT Reports to IBM page or the [SCRT Users Guide \(PDF, 5.9MB\)](#).

Please note that Multiplex Reports may only be submitted via LMS Web, Multiplex Reports may not be submitted via LMS eMail.

Country	Country Code	LMS Authorization Request e-mail ID	SCRT Submission e-mail ID
Albania	AL	zswglob@sk.ibm.com	scrtlms@dk.ibm.com
Argentina	613	LMS not yet available	scrtrpt@us.ibm.com
Armenia	AM	zswglob@sk.ibm.com	scrtlms@dk.ibm.com
Australia	616	wlreport@jp.ibm.com	scrtlms@dk.ibm.com
Austria	AT	zswglob@sk.ibm.com	scrtlms@dk.ibm.com
Azerbaijan	AZ	zswglob@sk.ibm.com	scrtlms@dk.ibm.com
Bahamas	619	LMS not yet available	ordercnd@ca.ibm.com
Bahrain	BH	zswglob@sk.ibm.com	scrtlms@dk.ibm.com
Barbados	621	LMS not yet available	ordercnd@ca.ibm.com
Belarus	BY	zswglob@sk.ibm.com	scrtlms@dk.ibm.com
Belgium	BE	zswglob@sk.ibm.com	scrtlms@dk.ibm.com
Bermuda	627	LMS not yet available	ordercnd@ca.ibm.com
Bolivia	629	LMS not yet available	cds@br.ibm.com
Bosnia-Herzegovina	BA	zswglob@sk.ibm.com	scrtlms@dk.ibm.com
Brazil	631	LMS not yet available	scrtrpt@us.ibm.com
Bulgaria	BG	zswglob@sk.ibm.com	scrtlms@dk.ibm.com

<b>Canada</b>	649	scrrpt@us.ibm.com	scrtlms@dk.ibm.com
<b>Cayman Islands</b>	647	LMS not yet available	ordercnd@ca.ibm.com
<b>Chile</b>	655	LMS not yet available	scrrpt@us.ibm.com
<b>Colombia</b>	661	LMS not yet available	scrrpt@us.ibm.com
<b>Costa Rica</b>	663	LMS not yet available	cds@br.ibm.com
<b>Croatia</b>	HR	zswglob@sk.ibm.com	scrtlms@dk.ibm.com
<b>Cyprus</b>	CY	zswglob@sk.ibm.com	scrtlms@dk.ibm.com
<b>Czech Republic</b>	CZ	zswglob@sk.ibm.com	scrtlms@dk.ibm.com
<b>Denmark</b>	DK	zswglob@sk.ibm.com	scrtlms@dk.ibm.com
<b>Dominican Republic</b>	681	LMS not yet available	cds@br.ibm.com
<b>Ecuador</b>	683	LMS not yet available	cds@br.ibm.com
<b>Egypt</b>	EG	zswglob@sk.ibm.com	scrtlms@dk.ibm.com
<b>El Salvador</b>	829	LMS not yet available	cds@br.ibm.com
<b>Finland</b>	FI	zswglob@sk.ibm.com	scrtlms@dk.ibm.com
<b>France</b>	706	zswglob@sk.ibm.com	scrtlms@dk.ibm.com
<b>Georgia</b>	GE	zswglob@sk.ibm.com	scrtlms@dk.ibm.com
<b>Germany</b>	DE	zswglob@sk.ibm.com	scrtlms@dk.ibm.com
<b>Greece</b>	GR	zswglob@sk.ibm.com	scrtlms@dk.ibm.com
<b>Guatemala</b>	731	LMS not yet available	cds@br.ibm.com
<b>Guyana</b>	640	LMS not yet available	ordercnd@ca.ibm.com
<b>Honduras</b>	735	LMS not yet available	cds@br.ibm.com
<b>Hong Kong</b>	738	wlreport@jp.ibm.com	scrtlms@dk.ibm.com
<b>Hungary</b>	HU	zswglob@sk.ibm.com	scrtlms@dk.ibm.com
<b>Iceland</b>	742	zswglob@sk.ibm.com	scrtlms@dk.ibm.com
<b>Indonesia</b>	749	wlreport@jp.ibm.com	scrtlms@dk.ibm.com
<b>Ireland</b>	IE	zswglob@sk.ibm.com	scrtlms@dk.ibm.com
<b>Israel</b>	IL	zswglob@sk.ibm.com	scrtlms@dk.ibm.com
<b>Italy</b>	758	zswglob@sk.ibm.com	scrtlms@dk.ibm.com
<b>Jamaica</b>	759	LMS not yet available	ordercnd@ca.ibm.com
<b>Japan</b>	760	wlreport@jp.ibm.com	scrtlms@dk.ibm.com
<b>Jordan</b>	JO	zswglob@sk.ibm.com	scrtlms@dk.ibm.com
<b>Kazakhstan</b>	KZ	zswglob@sk.ibm.com	scrtlms@dk.ibm.com
<b>Korea</b>	766	wlreport@jp.ibm.com	scrtlms@dk.ibm.com
<b>Kuwait</b>	KW	zswglob@sk.ibm.com	scrtlms@dk.ibm.com
<b>Kyrgistan</b>	KG	zswglob@sk.ibm.com	scrtlms@dk.ibm.com
<b>Lesotho</b>	711	zswglob@sk.ibm.com	scrtlms@dk.ibm.com
<b>Lithuania</b>	638	zswglob@sk.ibm.com	scrtlms@dk.ibm.com
<b>Luxembourg</b>	BE	zswglob@sk.ibm.com	scrtlms@dk.ibm.com
<b>Macau</b>	736	wlreport@jp.ibm.com	scrtlms@dk.ibm.com
<b>Macedonia</b>	MK	zswglob@sk.ibm.com	scrtlms@dk.ibm.com
<b>Malaysia</b>	778	wlreport@jp.ibm.com	scrtlms@dk.ibm.com
<b>Malta</b>	MT	zswglob@sk.ibm.com	scrtlms@dk.ibm.com
<b>Mexico</b>	781	LMS not yet available	scrrpt@us.ibm.com
<b>Moldavia</b>	MD	zswglob@sk.ibm.com	scrtlms@dk.ibm.com
<b>Morocco</b>	MA	zswglob@sk.ibm.com	scrtlms@dk.ibm.com
<b>Mozambique</b>	782	zswglob@sk.ibm.com	scrtlms@dk.ibm.com
<b>Namibia</b>	682	zswglob@sk.ibm.com	scrtlms@dk.ibm.com
<b>Neth Antilles</b>	791	LMS not yet available	ordercnd@ca.ibm.com

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<b>New Zealand</b>	796	wlreport@jp.ibm.com	scrtlms@dk.ibm.com
<b>Nicaragua</b>	799	LMS not yet available	cds@br.ibm.com
<b>Norway</b>	NO	zswglob@sk.ibm.com	scrtlms@dk.ibm.com
<b>Oman</b>	OM	zswglob@sk.ibm.com	scrtlms@dk.ibm.com
<b>Pakistan</b>	PK	zswglob@sk.ibm.com	scrtlms@dk.ibm.com
<b>Panama</b>	811	LMS not yet available	cds@br.ibm.com
<b>Paraguay</b>	813	LMS not yet available	cds@br.ibm.com
<b>Peru</b>	815	LMS not yet available	scrtrpt@us.ibm.com
<b>Philippines</b>	818	wlreport@jp.ibm.com	scrtlms@dk.ibm.com
<b>Poland</b>	PL	zswglob@sk.ibm.com	scrtlms@dk.ibm.com
<b>Portugal</b>	PT	zswglob@sk.ibm.com	scrtlms@dk.ibm.com
<b>Qatar</b>	QA	zswglob@sk.ibm.com	scrtlms@dk.ibm.com
<b>Romania</b>	RO	zswglob@sk.ibm.com	scrtlms@dk.ibm.com
<b>Russian Federation</b>	RU	zswglob@sk.ibm.com	scrtlms@dk.ibm.com
<b>Saudi Arabia</b>	SA	zswglob@sk.ibm.com	scrtlms@dk.ibm.com
<b>Serbia</b>	RS	zswglob@sk.ibm.com	scrtlms@dk.ibm.com
<b>Singapore</b>	834	wlreport@jp.ibm.com	scrtlms@dk.ibm.com
<b>Slovakia</b>	SK	zswglob@sk.ibm.com	scrtlms@dk.ibm.com
<b>Slovenia</b>	SI	zswglob@sk.ibm.com	scrtlms@dk.ibm.com
<b>South Africa</b>	ZA	zswglob@sk.ibm.com	scrtlms@dk.ibm.com
<b>Spain</b>	838	zswglob@sk.ibm.com	scrtlms@dk.ibm.com
<b>Suriname</b>	843	LMS not yet available	ordercnd@ca.ibm.com
<b>Sweden</b>	SE	zswglob@sk.ibm.com	scrtlms@dk.ibm.com
<b>Switzerland</b>	CH	zswglob@sk.ibm.com	scrtlms@dk.ibm.com
<b>Taiwan</b>	858	wlreport@jp.ibm.com	scrtlms@dk.ibm.com
<b>Tajikistan</b>	360	zswglob@sk.ibm.com	scrtlms@dk.ibm.com
<b>Thailand</b>	856	wlreport@jp.ibm.com	scrtlms@dk.ibm.com
<b>Trinidad/Tobago</b>	859	LMS not yet available	ordercnd@ca.ibm.com
<b>Turkey</b>	TR	zswglob@sk.ibm.com	scrtlms@dk.ibm.com
<b>Turkmenistan</b>	TM	zswglob@sk.ibm.com	scrtlms@dk.ibm.com
<b>Ukraine</b>	UA	zswglob@sk.ibm.com	scrtlms@dk.ibm.com
<b>United Arab Emirates</b>	AE	zswglob@sk.ibm.com	scrtlms@dk.ibm.com
<b>United Kingdom</b>	GB	zswglob@sk.ibm.com	scrtlms@dk.ibm.com
<b>United States (Commercial)</b>	897	scrtrpt@us.ibm.com	scrtlms@dk.ibm.com
<b>United States (Federal)</b>	897	LMS not yet available	fednotes@us.ibm.com
<b>Uruguay</b>	869	LMS not yet available	scrtrpt@us.ibm.com
<b>Uzbekistan</b>	UZ	zswglob@sk.ibm.com	scrtlms@dk.ibm.com
<b>Venezuela</b>	871	LMS not yet available	scrtrpt@us.ibm.com
<b>Yemen</b>	YE	zswglob@sk.ibm.com	scrtlms@dk.ibm.com

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## **Mobile/zCAP Workload Reporting Tool (MWRT)**

On 11 October 2016 IBM announced that, with the availability of SCRT Version 24, sub-capacity reports created by the Mobile Workload Reporting Tool (MWRT) will no longer be accepted starting with the November 2–9 submission period.

Customers with Mobile Workload Pricing (MWP) or z Systems Collocated Application Pricing (zCAP) who previously used MWRT must now submit reports generated by SCRT Version 24 or later. Customers who prefer to use a workstation-based sub-capacity reporting tool have the option of using either the Windows or Linux deliverables of SCRT V24.10 or later.