

# DICER

Version 1 Release 3 Modification 0  
Enhancement Summary  
Program Number 2A55-DCR

---

**Second Edition (February 2005)**

***GUMBO*** *Software, Inc.*

809 W Howe St  
Seattle, WA 98119

Phone: (206) 284-5078  
Fax: (206) 284-5029  
E-mail: [support@gumbo.com](mailto:support@gumbo.com)  
Web: [www.gumbo.com](http://www.gumbo.com)

---

## Installation Instructions

### Restoring the new release

Read the Enhancement Summary to determine if any changes affect your installation. To install Ver 1 Rel 3 Mod 0, sign on as the security officer.

1. Verify that your machine is at OS/400 V5R1M0 or later by running:

```
DSPDTAARA DTAARA(QGPL/QSS1MRI)
```

2. Mount the distribution media in the appropriate device.
3. Submit the Restore Licensed Program (RSTLICPGM) command to batch:

```
RSTLICPGM LICPGM(2A55DCR) DEV(device-name) LNG(2924)
```

4. Enter your permanent authorization code.

---

## Enhancements for Dicer Version 1 Release 3 Modification 0

### What's In This Section

This section provides information on Dicer enhancements for the current release, notes any customer code implications, and describes where to find more information when applicable.

### Display Page Data (DSPPAGDTA) Command Added

A new command, Display Page Data (DSPPAGDTA), has been added to Spool-a-Matic. The command allows you to display selected data from within a spooled file. The command supports output to a display, to print, and most interestingly to an output file.

For example, by displaying the page position of the customer number in spooled files containing invoices, you can create an index from customer number to the related spooled files that contain their invoices.

The command takes the identity of a spooled file and page data selection as input. The page data parameter allows you to specify the line, position, and length of the data to be retrieved from each page. Additionally, the page data parameter allows you to specify that "off page" data, such as that specified on the DDS STRPAGGRP() and DOCIDXTAG() keywords, should be retrieved. Multiple page data specifications are support.

The Display Page Data (DSPPAGDTA) command generates output files with PDPAGDRF as the record. PDPAGDRF is made up of several groups of fields that describe an element of the page.

- o Spooled file. These fields provide information about the spooled file from which the data was taken.
  - PDJSYS Name of the system where the job that created the spooled file ran.
  - PDJJOB Name of the job that created the spooled file.
  - PDJUSR Name of the user who produced the spooled file.
  - PDJNBR Number of the job in the system.
  - PDJSPF Name of the spooled file.
  - PDJSP# Spooled file number within the job.
- o Location. These fields describe the location of the data in the spooled file.
  - PDPAGE Page number.
  - PDLINE Line number the data appears on. The possible special values and their meanings

are:

**-53 = \*DOCIDXTAG:** The data was added to the spooled file using the DDS DOCIDXTAG() keyword at either the page level or group level.

**-54 = \*DOCIDXPAG:** The data was added to the spooled file using the DDS DOCIDXTAG() keyword at the page level.

**-55 = \*DOCIDXGRP:** The data was added to the spooled file using the DDS DOCIDXTAG() keyword at the group level.

**-56 = \*STRPAGGRP:** The data was added to the spooled file using the DDS STRPAGGRP() keyword.

**-57 = \*DOCIDXTAGP:** The data was added to the spooled file using the DDS DOCIDXTAG() keyword at the page level, group level or was propagated from the group level to all pages in the group.

**-58 = \*DOCIDXGRPP:** The data was added to the spooled file using the DDS DOCIDXTAG() keyword at the group level or was propagated from the group level to all pages in the group.

**-59 = \*STRPAGGRPP:** The data was added to the spooled file using the DDS STRPAGGRP() keyword or was propagated from the keyword to all pages in the page group.

**PDSPOS** Position on the line the data starts. When PDLINE contains one of the special values, PDPOS is zero.

- o Data. These fields contain the data.

**PDVLEN** Length of data contained in the following field.

**PDVDTA** Data retrieved from the page. When PDLINE is one of the special values related to the DDS STRPAGGRP() keyword, PDVDTA contains the "group-name" specified. When PDLINE is one of the special values related to the DDS DOCIDXTAG() keyword, PDVDTA contains the "attribute-value" specified.

**PDNLEN** Length of data contained in the following field.

**PDNDTA** Name data. When PDLINE is one of the special values related to the DDS DOCIDXTAG() keyword, PDNDTA contains the "attribute-name" specified otherwise it is blank.

## Menu Options Corrected

Dicer menu options 10 and 65 specified wrong program name and didn't work.

## Spool Merge Corrections And Updates

- o The number of spooled files that can be specified on the Merge Spooled File (MRGSPLF) command has been increased from 16 to 128.
- o Splitting based on a \*STRPAGGRP page sort key was generating MCH3601 Pointer not set for location referenced when there were orphan pages outside of the page groups.
- o Merging a single spooled file without a page sort key (effectively a copy) and taking the output queue default of \*FIRST resulted in the new spooled file being placed in QPRINT in all cases. The problem was corrected.

## Authorization Component Corrections And Updates

- o Authorization code now enforces requirement that \*LPAR license is run on a partitioned machine. If a formally partitioned machine becomes unpartitioned while the software is running under an \*LPAR license, a grace period is granted.

## Command Processing Corrections And Updates

- o Output file component support added.

### **Font Processor Corrections And Updates**

- o The base font used by a spooled file that does not otherwise specify a font was calculated incorrectly for all spooled files other than character set 697, codepage 37.
- o Updated font base data table with additional character set data for Greek, Cyrillic, etc.
- o Updated font base data table with additional \*FGID imbedding data for Greek, Cyrillic, etc.
- o Updated font base data table with addition of missing font global identifier modification entries to correct \*FGID 404 rendering problem.
- o Updated font base data table with addition of undocumented graphic character set global id substitution entries to correct \*FGID imbedding of OCR font 19.

### **IPDS Processor Corrections And Updates**

- o Page size miscalculated for some spooled files when multiple font specified.

### **MODCA Processor Corrections And Updates**

- o Enabled processing of medium map specified constant back overlays and add exports.
- o Enabled processing of medium map specified text suppression local ids.
- o Enable Begin Page invoking of medium map through triplet x'02' Fully Qualified Name's type x'8D' Begin Medium Map Reference type code.
- o Internal change to allow sharing of font stack during resource processing for SCS and IPDS.
- o Enabled processing of overlays specified in medium maps.
- o External Resource Group specified in a spooled file's print data stream is mapped and processed in the required order.
- o External resource name now posted internally during mapped resource processing.

### **Print Data Stream Processor Corrections And Updates**

- o Default print data stream manager's internal buffering now buffers entire spooled file regardless of size. This greatly increases performance when traversing very large spooled files multiple times.
- o Added exports to retrieve page count and selected count from page maps.
- o Default print data stream manager now waits for data from an incomplete and open spooled file to become ready instead of failing with message id CPF33D7.

### **Program Distribution Corrections And Updates**

- o Product installation preserves any product job descriptions when a new release is installed over an old release in order to preserve any customer changes. This caused the CHKPRDOPT command and the Verify that Dicer is installed correctly menu option to show a failure. The product exit program has been changed to allow job descriptions from an old release to be honored as "present".

### **PTOCA Processor Corrections And Updates**

- o Corrected SetExtendedColor control processing. Previously it was overlaying suppression codes and erroneously suppressing text.
- o Enabled text suppression through text suppression local ids and added exports.

### **SCS Processor Corrections And Updates**

- o Parser was updated to introduce the notion of marks being placed on a page outside of the data stream. This affects page ejection in the presence of overlays.
- o Character set and code page (gcsgid/cpgid) for default fonts now set correctly for all languages.
- o New exports were added to allow file generators to determine the current superscript/subscript status of the data stream.

### **Spool Indexing Corrections And Updates**

- o Dump Page Index Positions (DMPPIP) command fails with MCH1210 unless page range end specified.
- o Dump Page Index Positions (DMPPIP) command report heading "Ending page" was misspelled.
- o Indexer updated to support page data retrieval and mapping by other components.
- o Indexer now only creates lower level OCA environments when they are needed to service the indexing request, avoiding processing and speeding tag based indexing.

### **Spool Component Corrections And Updates**

- o Displaying a spooled file message has been improved. Clearer error messages are issued in all cases of a failure and the work space created for processing is now always deleted.
- o Processing for the Create Spooled Save File (CRTSPLSAVF) command's Save file (SAVF) parameter was not correctly handling the case when the library was specified as \*CURLIB and the job does not have a \*CURLIB. In this case the command failed with message id CPD0078. Now the library name QGPL is substituted.
- o Error handling and clean up on failure enhanced for the Create Spooled Save File (CRTSPLSAVF) command. Authority problems no longer result in an empty save file.