

sr

These are sample user exits for ACIF, the AFP Conversion and Indexing Facility. They illustrate how to use the four exit points. Some of the examples provide generally useful functions; others are examples of how you might create your own exits but serve no directly useful purpose.

These COBOL programs require Language Environment. You can enable LE support in ACIF using the EXTENSIONS = MVSICNV parameter or linking the COBOL program with CEEUOPT (see sample JCL, noted below).

ACIFIBDT	This program will convert all BDT/EDT structured fields to NOPs containing the original structured field, which will be turned back into BDT/EDT by ACIFOBDT.
ACIFOBDT	This program will change a flagged NOP to a BDT or EDT. The NOP must contain the content of the BDT/EDT to be inserted as the body of the NOP structured field. If ACIF writes the output, the BDT will be removed from the output file, but will remain in the file for the output written by the exit. Because ACIF inserts a single BDT/EDT, this exit will remove the first and last BDT/EDT.
ACIFINX	This program will create an indexing NOP record after the first line of the first page of each document, remove the barcode data, and replace the bottom page message with another phrase.
ACIFOTX	This program will delete the indexing NOP inserted by the input exit, ACIFINX, then write the remaining records to a VSAM RRDS. The ACIF OUTPUT file may be dummy if it is not to be printed
ACSTCHR	This program strips the first character of each record in the input file, provided it is the character zero. Records are passed into the exit, the first byte is tested for zero, and the record returned with the length adjusted.
APKDUMIN	This program is used to test the input exit. It will simply return after each call from an ACIF exit.
APKINFIL	This program tests inserting an entire file at the input exit. The first record from ACIF is a single dummy record from the input file. The exit opens the "real" input file, sets the insert flag, and returns each record from the actual file. When all records are processed, the delete flag is set.
APKINLLE	This program will change LLE structured fields to NOP because acif does not currently pass LLEs to

	the output. Corresponding output exit APKOTLLE will change the NOPs back to LLEs.
APKINPTS	This program is used to test the input exit. It will pass back each input record unchanged, then insert a record after each input record. It will also insert a record after EOF.
APKINPXT	This program will insert the phrase "CONFIDENTIAL" in a blank space in the first line of each page and insert a record key beyond the printable area of the third line for use as an ACIF indexer key. It will also insert an AFPDS Include Page Segment record in each summary page, and delete any detail line that contains the string "TEST" as the third word.
APKOTLLE	This program must be used with APKINLLE. It changes NOP records whose flag and sequence number fields contain the LLE structured field ID back into LLEs, since ACIF can't yet process LLEs. The sequence number is replaced with the record count within page, and the flag is zeroed. The exit also changes the page name FQN on the Begin Page record to be identical to the BPG token, including trailing blanks.
APKOUTXT	This program will delete the Begin Document and End Document structured fields (BDT/EDT), and will insert a comment triplet on each Begin Page (BPG) structured field (I didn't say it would do anything useful). It will also renumber each structured field sequence field within a page. If the BPG record does not contain a Page Name triplet (FQN type x'01'), one will be inserted with a sequential page number.
APKPTXOP	This program performs some optimization on text (PTX structured field) data. It combines consecutive PTX records into the smallest number of large PTX records. It optimizes the generation of font (SCFL) and orientation (STO) changes in order to improve print performance.
APKRSLST	This program is an APKRSLST exit for ACIF that will print a list of resources referenced in a print job, and (optionally) cause them to be excluded from the output resource library.
APKXPSEG	This program is an exit for ACIF (APKACIF,5648-062) that will print a list page segments referenced in a print job, and cause them to be excluded from the output resource library.

APKZREC	This program will change input lines with the carriage control character 'Z' (used for report distribution exits) into an AFPDS NOP. It also switches the order of the 'Z' record with the following skip to channel 1 record, so the order becomes skip to channel 1, then 'Z' record. This is to make ACIF index properly when only a single page appears in the group. Normally, ACIF would associate the 'Z' record with the previous page which actually contains it.
APRPTXOP	This program performs some optimization on text (PTX structured field) data. It combines consecutive PTX records into the smallest number of large PTX records. It optimizes the generation of font (SCFL) and orientation (STO) changes in order to improve print performance. This is a stand-alone version of APKPTXOP that does not run as an ACIF exit.
COBACXIT	Sample COBOL Compile and Link JCL
ACIFXJCL	Sample execution JCL

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