**Process Steps of the RPG .OCL Program**

The OCL program orchestrates a sequence of operations to produce the Customer Credit Report. Here’s a step-by-step explanation of the process:

1. **Delete All Overrides (DLTOVR \*ALL)**:
   * The DLTOVR \*ALL command clears all existing file overrides in the job to ensure no unintended file mappings interfere with the program’s execution.
2. **Commented-Out Program Call (GSGENIEC)**:
   * The line // CALL PGM(GSGENIEC) is commented out (preceded by //), so it is not executed. If uncommented, it would call the program GSGENIEC, likely a utility or initialization program.
   * The conditional logic // IFF ?L'506,3'?/YES RETURN is also commented out. If active, it would check a condition (likely a data area or variable at location L'506,3') and terminate the job (RETURN) if the condition is met.
3. **SCPROCP Command**:
   * The line // SCPROCP ,,,,,,,,?9? invokes a procedure or command named SCPROCP with placeholder ?9? for a parameter (likely a library or file prefix). The eight commas indicate empty parameters, suggesting SCPROCP may use default values or only require the ninth parameter.
4. **Set Local Variables (LOCAL BLANK-\*ALL)**:
   * The LOCAL BLANK-\*ALL command clears all local variables in the job, ensuring a clean state for subsequent operations.
5. **GSY2K Command**:
   * The GSY2K command is executed, likely a utility to handle Year 2000 (Y2K) date conversions or system settings, ensuring date fields are processed correctly.
6. **Override Database File (OVRDBF)**:
   * The command OVRDBF FILE(BICONT) TOFILE(QS36F/?9?BICONT) overrides the file BICONT to point to QS36F/?9?BICONT (a file in the QS36F library with a prefix ?9?). This ensures the program uses the correct version of the BICONT file.
7. **Load and Run AR415P**:
   * The // LOAD AR415P command loads the program AR415P, and the // RUN command executes it.
   * The file specification FILE NAME-BICONT,LABEL-?9?BICONT,DISP-SHR indicates that AR415P uses the BICONT file (with prefix ?9?) in shared mode (DISP-SHR), allowing multiple jobs to access it concurrently.
   * This program likely performs initial processing or validation on the BICONT file, preparing data for the report.
8. **Load and Run #GSORT for Sorting**:
   * The // LOAD #GSORT command loads the #GSORT utility, a general-purpose sort program.
   * **Input and Output Files**:
     + Input file: ARCUST (labeled ?9?ARCUST, shared mode).
     + Output file: AR415S (labeled ?9?AR415S, with a capacity of 999,000 records, extendable by 999,000, and retained as a job file RETAIN-J).
   * **Sort Specifications**:
     + HSORTR 8A 3X 384 N: Defines the sort header with an 8-character key, 3 fields, 384 bytes per record, and no sequence checking (N).
     + I C 1 1NECD: Includes records where position 1 (1 byte) is not equal to a specific condition (NECD, possibly "not equal to customer delete").
     + IAC 2 3EQC?L'101,2'?: Includes records where positions 2–3 equal a value at location L'101,2' (likely a data area or variable).
     + FNC 2 9 KEY: Specifies positions 2–9 as the sort key (ascending order by default).
     + FDC 1 256 RECORD: Includes positions 1–256 in the output record.
     + FDC 257 384 RECORD: Includes positions 257–384 in the output record.
   * **Purpose**: This step sorts the ARCUST file based on a key (positions 2–9) and filters records based on conditions, writing the sorted output to AR415S.
9. **Load and Run AR415**:
   * The // LOAD AR415 command loads the main report program AR415, and // RUN executes it.
   * **Files Used**:
     + ARCUST (labeled ?9?AR415S, the sorted output from #GSORT, shared mode).
     + ARCUSA (labeled ?9?ARCUST, shared mode).
     + ARCLGR (labeled ?9?ARCLGR, shared mode).
     + BBORCL (labeled ?9?BBORCL, shared mode).
     + BICONT (labeled ?9?BICONT, shared mode).
   * **Purpose**: The AR415 program processes the sorted AR415S file and other input files (ARCUSA, ARCLGR, BBORCL, BICONT) to generate the final Customer Credit Report, likely formatting and printing the data.
10. **End of Program**:
    * The // END statement marks the end of the #GSORT section, though it appears after the AR415 section, possibly indicating a structured block for #GSORT or a minor formatting issue in the OCL.

**External Programs Called**

The OCL program invokes the following external programs:

1. **GSGENIEC**: Commented out, so not executed. If active, it would be called as a utility or initialization program.
2. **AR415P**: A program that processes the BICONT file, likely for data preparation or validation.
3. **#GSORT**: A sort utility that sorts the ARCUST file and produces the AR415S file.
4. **AR415**: The main report program that generates the Customer Credit Report using multiple input files.

Additionally, the SCPROCP command is executed, which may be a system command or procedure rather than a program, depending on its definition.

**Tables (Files) Used**

The program references the following files (tables) in the IBM i environment:

1. **BICONT** (QS36F/?9?BICONT): Used by AR415P and AR415, likely a control or configuration file.
2. **ARCUST** (?9?ARCUST): The input customer file used by #GSORT and AR415 (as ARCUSA).
3. **AR415S** (?9?AR415S): The sorted output file created by #GSORT and used as input by AR415.
4. **ARCUSA** (?9?ARCUST): An alias or alternate reference to the ARCUST file, used by AR415.
5. **ARCLGR** (?9?ARCLGR): A ledger or transaction file used by AR415, likely containing customer credit data.
6. **BBORCL** (?9?BBORCL): Another file used by AR415, possibly containing billing or order data related to credit.

The ?9? placeholder in file labels likely represents a library or prefix dynamically substituted at runtime.

**Summary**

The OCL program AR415.ocl36.txt orchestrates the generation of a Customer Credit Report through the following steps:

* Clears overrides and local variables.
* Executes a Y2K utility and overrides the BICONT file.
* Runs AR415P to process BICONT.
* Uses #GSORT to sort the ARCUST file into AR415S based on specific keys and conditions.
* Runs AR415 to generate the final report using sorted and additional files.

**External Programs**: GSGENIEC (commented out), AR415P, #GSORT, AR415, and possibly SCPROCP (if a program). **Files Used**: BICONT, ARCUST, AR415S, ARCUSA, ARCLGR, BBORCL.