



## **Equivalence of ISPF and RDz LPEX Editor Functions**

**Version 2.1 for RDz 7.5.1**

**As of: 13 November 2009**

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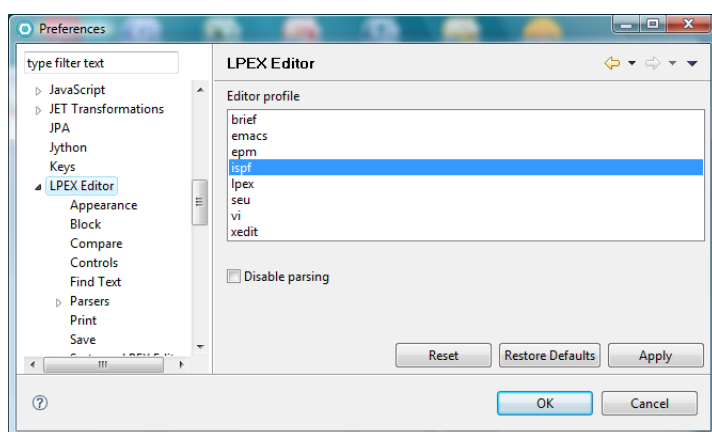
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## I Equivalence of ISPF and RDz LPEX Editor Functions

This documentation is applicable to the “IBM Rational Developer for System z (RDz) 7.5.1”.

The functions of the ISPF Editor are compared with those of the LPEX Editor. The behavior and the “look and feel” of the LPEX editor can be set via the profile window under RDz Preferences.



In practice, two modes are relevant: the LPEX and/or the ISPF Profile. In comparison to the LPEX Profile, the ISPF Profile offers the additional possibility to have the LPEX editor behave like the ISPF editor.

In the following documentation only the most important instructions in the ISPF editor are compared with those in the LPEX editor, i.e. only the instructions and/or instruction parameters that are used most often in practice are covered.

The “LPEX profile” column documents how to implement an instruction from the ISPF Editor that is compatible with the LPEX Editor. If the instruction is supported in LPEX, it is usually callable via the “context menu” and/or “shortcuts”. The appropriate shortcuts are shown in the following documentation.

The “ISPF Profile” column shows whether the ISPF instructions already exist for using the ISPF Profile in the LPEX Editor. If the ISPF instruction is missing, the alternative procedure described in the “LPEX profile” column can usually be used.

The documentation of the instructions is subdivided into three groups:

- Documentation of the ISPF line commands.
- Documentation of the ISPF commands that are entered into the command line and a function to activate
- Documentation of the ISPF commands for modification of the ISPF Profile



## 1.1 ISPF Editor Line Commands

Description	ISPF Editor	LPEX Editor	LPEX Editor
	Line Command	LPEX Profile	ISPF Profile
Designate a line, behind which something is inserted.	A An	See line commands C and M, as well as the commands COPY and MOVE	Supported
Designate a line, in front of which something is inserted.	B Bn	Position the Cursor in front of the line +  See line commands C and M, as well as the commands COPY and MOVE	Supported
Indicate the column numbers in front of the identified line	COL	Column numbers as well as the current cursor position are seen in the LPEX editor in lines 1 and 2.	ISPF line command COL is not available  Not necessary (see LPEX Profile)
Copying of n lines to one line in an identified location by means of A, B, O	C Cn CC	Highlight the lines (with ALT+L+SHIFT - mouse click)  Then to insert:  Position the Cursor +  ALT+C → to insert highlighted contents	Supported
Deletion of n lines	D Dn DD	Single line:  CTRL+Backspace  Highlight lines (with ALT+L + SHIFT - mouse click) +  ALT+D → to delete lines	Supported



Description	ISPF Editor	LPEX Editor	LPEX Editor
	Line Command	LPEX Profile	ISPF Profile
Display the first n lines of a hidden text	F Fn	See line command X	Supported
Insertion of n blank lines	I In	CTRL+ENTER → to insert a blank line	Supported
Display the last n lines of a hidden text	L Ln	See line command X	Supported
Convert line characters into lower case letters	LC LCC	Highlight the area (e.g. with ALT+L+SHIFT - mouse click) +  Alt+I → lower case letters	Supported
Transfer n lines to one line in an identified location by means of A, B, O	M Mn MM	Highlight the lines (with ALT+L+SHIFT - mouse click)  Then to insert:  Position the Cursor +  ALT+M → to insert and delete highlighted contents	Supported
Indicate lines that are to be superimposed (only blank spaces are overlaid)	O On OO	Highlight lines (with ALT+L+SHIFT - mouse click)  Position the Cursor +  ALT + Z  Difference: all characters are overlaid	Supported



Description	ISPF Editor	LPEX Editor	LPEX Editor
	Line Command	LPEX Profile	ISPF Profile
Repeats indicated lines n times	R Rn RR	See line command C	Supported
Separates text lines at the location indicated by the Cursor and inserts n blank lines	TS TSn	Position the Cursor + ALT + S (repeat for multiple blank lines)	ISPF line command TS is not available
Convert line characters into upper case letters	UC UCC	Highlight the area (e.g. with ALT+L+SHIFT - mouse click) +  Alt+K → upper case letters	Supported
Suppresses n lines or a block of lines on the screen display	X Xn XX	Not directly supported  See Editor command EXCLUDE for additional possibility:  Context Menu: Filter View	Supported
Mark a line for the LOCATE function	.xxx	RDz Menu:  Edit/Mark/Name Mark...  Or  Edit/Mark/Set Quick Mark (CTRL + Q)	ISPF line command '.xxx' is not available



Description	ISPF Editor	LPEX Editor	LPEX Editor
	Line Command	LPEX Profile	ISPF Profile
Shift line content (to the right/left)	), ( )n, (n ))n, ((n  Default value <b>n=2</b>	<u>For one line:</u> Space Bar or Backspace  <u>For a block of lines:</u> ALT+R →highlight the block 2 times  ALT+F7→shift the block one column to the left  ALT+F8→shift the block one column to the right	Supported  Default value <b>n=1</b>

## 1.2 ISPF Editor Commands in the Command Line

Description	ISPF Editor	LPEX Editor	LPEX Editor
	Command	LPEX Profile	ISPF Profile
Positioning in the last line of the member	BOTTOM	CTRL + End → Positioning the Cursor on the last character  Subsequently possible: ALT + Q → To position the Cursor back to its previous location	Supported
Terminate the work without saving the member	CANCEL CAN	Close the window without confirming the saving procedure	ISPF command CANCEL is not available



Description	ISPF Editor Command	LPEX Editor LPEX Profile	LPEX Editor ISPF Profile
Change the character string s1 in the character string s2	CHANGE C CHG C s1 s2 <options> <NEXT / ALL / FIRST / LAST / PREV> <WORD> <X/NX>	CTRL+F Limitation: No support for hidden lines	Supported
Compare one member which is in the process of being edited with another	COMPARE <member>	Supported with limitations: Use not recommended More advisable: Better presentation and more user friendly in the separate COMPARE Editor of RDz (e.g. in RSE View): highlight 2 members + right mouse button + compare + each other	ISPF command as such is not available Note: the COMPARE command exists, however it is not a special function of the ISPF Profile (see LPEX Profile)
Copies <member> into the edited member at a highlighted location by means of A or B	COPY <member>	Not directly supported Edit Member 1: CTRL+A + CTRL+C Member 2: CTRL+ENTER → to insert blank line + CTRL+V → to insert copied contents	ISPF command COPY is not available



Description	ISPF Editor	LPEX Editor	LPEX Editor
	Command	LPEX Profile	ISPF Profile
Transfers or copies the entire field at hand, or an identified C or M field, into a not yet available <member>	CREATE  <member>	ISPF command is not available  Procedure:  Create and edit the new member by means of RDz  Copy contents as described under the command COPY	ISPF command CREATE is not available
Writes a field identified by CC ... CC into a temporary buffer	CUT  CUT xxx	CTRL+C  If several intermediate clipboards are needed:  Use "Snippet View" and, as a Snippet, file the copied field with CTRL+C	ISPF command CUT is not available
Delete all hidden or superimposed lines	DELETE  DEL <options>  <ALL X/ALL NX>	Only supported for superimposed lines:  CTRL+A → highlight all + ALT+D	Supported
Hides lines with the character string sI. SI = hidden character string (necessary, if no further operand is shown)	EXCLUDE  X sI <options>  <NEXT / ALL / FIRST / LAST / PREV>  < WORD>	Only hiding of applicable lines is possible:  Highlight lines (ALT + L) +  Context Menu: Selected / Exclude Selected  In addition: Highlighting of individual characters is possible (with mouse). All lines which contain the characters will be hidden.	Supported



Description	ISPF Editor Command	LPEX Editor LPEX Profile	LPEX Editor ISPF Profile
Search for character string s  in the member	<b>FIND</b> F s  <options> <NEXT / ALL / FIRST / LAST / PREV> < WORD> < X/NX>	CTRL+F Limitation: No search possible in hidden lines	Supported
Searching for a set mark or a specified line	<b>LOCATE</b> L nn L ls nn= Line number ls = Line marking (e.g. .A)	For line number: enter nn in command line+ENTER For line mark (compare line command .xxx): RDz Menu: Edit/Find Other/Find Mark... If applicable, better alternative for line marking: CTRL+2 → Split Editor	ISPF command LOCATE is not available
Selection list of Models (commands, code fragment,...)	<b>MODEL</b>	ISPF command is not available Alternative: CTRL+Space → Content Assist (upgrading / customization possible)	ISPF command MODEL is not available
Completely transfers the indicated <member> into a location identified by means of A or B	<b>MOVE</b>	ISPF command is not available See command COPY + Delete member	ISPF command MOVE is not available



Description	ISPF Editor Command	LPEX Editor LPEX Profile	LPEX Editor ISPF Profile
Insert the contents from a temporary buffer into a location identified by means of A or B	PASTE	CTRL+Enter +  CTRL+V  If applicable, copy the contents from the “Snippet View” (compare with command CUT)	ISPF command PASTE is not available
Transfers or copies the entire field at hand, or an identified C or M field, into an already available or new member	REPLACE  <member>	ISPF command is not available  Alternative procedure:  Member 1:  Highlight fields + CTRL+C  Member 2:  CTRL+A +  ALT+D +  CTRL+V	ISPF command is not available
Restores commands to pre-execution status and deletes error messages as well as the special lines COLS, TABS, BOUNDS, MASK and the references <CHG> and <ERR>	RESET  RES	Partially supported  Reset inputs:  CTRL+Z → Undo  Display all hidden lines:  CTRL+W → Show all	ISPF command as such is not available  <b>Note:</b> the command exists in the LPEX with a different meaning
Backs up (saves) the current status of the member	SAVE	CTRL+S	Supported



Description	ISPF Editor Command	LPEX Editor LPEX Profile	LPEX Editor ISPF Profile
Place the cursor at the beginning of the member	TOP	CTRL + POSI  Subsequently possible: ALT + Q → Position cursor back to previous location	Supported
Reverse or undo the last command	UNDO	CTRL+Z  Or: ALT+Backspace	Supported

### 1.3 ISPF Editor Profile Commands

Description	ISPF Editor Profile Commands	LPEX Editor LPEX Profile	LPEX Editor ISPF Profile
Automatic verification of sequential numbering after the back up of data following SAVE, END	AUTONUM ON / OFF	Window / Preferences / Lpex Editor / System z Lpex Editor / Sequence number	ISPF command AUTONUM is not available
Automatic saving by pressing the END key (PF03)	AUTOSAVE ON / OFF	Not relevant	Not relevant  Note: not to be confused with AUTOSAVE in the LPEX Preferences
Automatic conversion to upper case letters	CAPS ON / OFF	ISPF command is not available	ISPF command CAPS is not available



Description	ISPF Editor	LPEX Editor	LPEX Editor
	Profile Commands	LPEX Profile	ISPF Profile
Hexadecimal display of data	HEX ON / OFF	Supported, but only display of the Hex representation of a line (no profile settings).  Position the cursor in a line  In the Context Menu:  Source / Hex Edit Line	ISPF command HEX is not available
Designation of a stored program  (Consequence of EDIT commands, which should be performed before the display of data)	IMACRO  IMACRO NONE	ISPF command is not available  ISPF MACROS are called up only in the ISPF Editor.  Alternative: Preference / user profile class	ISPF command IM-ACRO is not available
Display of particular comment lines	NOTE ON / OFF	ISPF command is not available  Compare with the MODEL command	ISPF command NOTE is not available
Placement of blank spaces at the end of a line by the use of "zero" characters (X '00'). Used when inserting characters	NULLS ON / OFF	ISPF command is not available  (always like NULLS OFF)	ISPF command NULLS is not available



Description	ISPF Editor	LPEX Editor	LPEX Editor
	Profile Commands	LPEX Profile	ISPF Profile
Generation and verification of the sequence numbers in column 73 to 80 (or 1 to 6)	NUMBER ON / OFF / COB	Supported	Supported
Storage of data in compressed form. Data returns to normal size with call up.	PACK ON / OFF	ISPF command is not available  <b>Files that have been compressed on the host can only be displayed by RDz in the read-only mode as compressed and non-readable data.</b>	ISPF command PACK is not available
Recording of Edit transactions for the restart after a system abort  A prerequisite for UNDO	RECOVERY ON / OFF	Not directly supported  UNDO, REDO as well as local history are standard functionalities	ISPF command RECOVERY is not available
Generation and updating of the statistics displayed in the member selection list	STATS ON / OFF	STATS OFF is not available as an ISPF command.  Statistical data are always generated.	ISPF command STATS is not available
Set tabulators (Tabs)	TABS ON / OFF / ALL  (in combination with the line command TABS)	Window / Preferences / LPEX / TABS  The COBOL parser overwrites the tabulator settings defined in Preferences	ISPF command TABS is not available