

Selecting Frames

The following guidelines are divided into those applicable for entry-level dialogs and those applicable for two lower level subordinate dialogs.

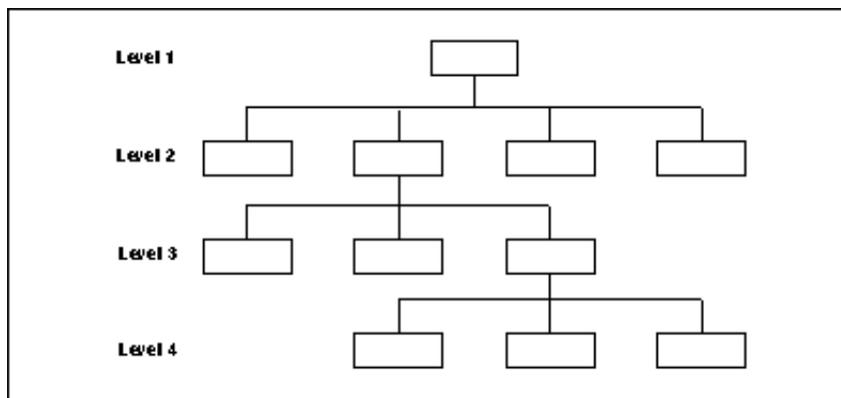
1. First select the appropriate entry-level dialog.
2. Next select the frames for the logically subordinate modules, such as subordinate dialogs, modal windows and object selection.
3. Select a frame for each window.
4. If you find alternatives, select those which appear to be the most flexible for the function.

The following topics are covered below:

- Dialog Structure
 - Examples for Combining Production Frames
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Dialog Structure

Each business function contains exactly one entry-level dialog from which various subordinate dialogs can be invoked. Entry-level dialogs as well as subordinate dialogs can call modal windows or key dialogs. A modal window can call additional modal windows or key dialogs. The following graphics shows the tree structure of a function with levels.



The following topics are covered below:

- Entry-Level Dialog - Level 1
- Subordinate Dialogs - Level 2
- Modal Dialogs - Level 3
- Permissible Calls

Entry-Level Dialog - Level 1

Entry level dialogs represent the first level of a function. They can be used without restriction and also stand-alone. The following frames can be used.

Display, modify, add, and operative functions

Frame	Maintain dialog
Call	Direct
Further calls to	Subordinate dialogs, key dialogs, modal windows
Special characteristics	Works with preliminary data copies

Browse, Overviews

Frame	Browse dialog
Call	Direct
Further calls to	Modal windows, mass processing dialog, key dialogs, deletion subprogram, maintain dialog
Comment:	A business function can be called by selecting an action in a browse dialog

Mass Processing

Frame	Mass processing dialog
Call	Direct
Further calls to	Modal windows, key dialogs
Comment	Recommended in conjunction with a browse dialog

Delete Confirmation

Frame:	Deletion
Call	Direct
Further calls to	None
Comment	Creates a subprogram which is activated directly from the command system

Nonstandard Dialog

Frame	Nonstandard dialog
Call	Direct
Further calls to	Modal windows, key dialogs

Subordinate Dialogs - Level 2

Key Dialog

Frame	Key dialog
Call	From maintain dialog, browse dialog
Further calls to	Modal window

Display, modify, and new functions, and other actions

Frame	Subdialog
Call	From maintain dialog
Further calls to	Key dialogs, modal windows
Special characteristics	Works with preliminary copies

Display, modify, new, operative, and browse functions without access to preliminary data

Frame	Modal window
Call	From maintain dialog, browse dialog, mass processing dialog
Further calls to	Key dialogs, modal windows
Special characteristics	Works with preliminary copies

Mass Processing

Frame	Mass processing dialog
Call	From browse dialog
Further calls to	Key dialogs, modal windows

Modal Dialogs - Level 3

Display, modify, new, and operative functions:

Frame	Modal window
Call	From mass processing dialog, key dialog
Further calls to	Key dialogs, modal windows

Key Dialog

Frame	Key dialog
Call	From subdialog, modal window, key dialog, mass processing dialog
Further calls to	Modal window
Special characteristics	Generated maintain dialogs include a call to a key dialog for input of the primary key. Key dialogs can also be used for active help and foreign-key input. In this case, you must code the call to the key dialog yourself.

Permissible Calls

The following dialogs can be called:

Called by	Subdialog	Modal Window	Key Dialog	Mass Processing
Maintain dialog	X	X	X	
Browse dialog		X	X	X
Mass processing dialog		X	X	
Nonstandard		X	X	
Deletion				
Subdialog		X	X	
Modal window		X	X	
Key dialog		X	X	

Examples for Combining Production Frames

The following topics are covered below:

- Basic Combinations
- Variations

Basic Combinations

Key input and display or modification of data in a window:

Entry Dialog	Maintain dialog
Key Selection	Key dialog

Listing of data records of an object:

Listing	Browse dialog
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Mass Processing

Overview:	Browse dialog
Mass Processing	Mass processing dialog

Variations

Key input and display of several data windows:

Entry Dialog:	Maintain dialog
Key Selection:	Key dialog
Display Window	Subdialog

Key input and display of several data windows with foreign key selection:

Entry Dialog	Maintain dialog
Key Selection:	Key dialog
Display Window	Subdialog
Foreign Key Selection	Key dialog

Input of selection criteria for a list of data records, selection of a key from a list and display of multiple data windows:

Entry Dialog 1	Browse dialog
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This is created from two independent functions:

- the browse dialog, and
- display functions.

The display function can be invoked using a command from the browse dialog. Selected key values are passed.

Entry Dialog	Maintain dialog
Key Selection	Key dialog
Display Window	Subdialog
Selection Window	Modal window

The selection processing can be used for the selection of data as well as to determine subsequent processing.

Input of a selection criterion to determine subsequent processing:

Entry Dialog	Nonstandard dialog
Subsequent Processing	Subdialog

Listing with optional expanded selection in a subordinate window:

Listing	Browse dialog
Selection	Modal window or subdialog

Mass Processing

Overview	Browse dialog
Mass Processing	Mass processing dialog
Zoom	Modal window

Note:

All data modifications are immediately applied to the database. No preliminary copies are created.

Batch Programs

Call from an online function:

Batch Program:	Skeleton
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The batch program can be called from any module.

Alternate batch program:

Selection:	Nonstandard dialog
Batch Program:	Skeleton

This variant is recommended when, for example, several optional lists are to be created as batch programs.