

File created: 9-Aug-90 19:39:26 {PELE:MV:ENVOS}<LISPCORE>INTERNAL>LIBRARY>CHANGECONTROL.;5

changes to: (VARS *CHANGE-CONTROL-DEV-DIRS* *CHANGE-CONTROL-FREEZE-DIRS*)

previous date: 27-Jul-90 13:58:46 {PELE:MV:ENVOS}<LISPCORE>INTERNAL>LIBRARY>CHANGECONTROL.;4

Read Table: XCL

Package: INTERLISP

Format: XCCS

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(RPAQQ **CHANGECONTROLCOMS**

(

::: Automate the process of change-control submission

:: Variables which control change control:

:: *CHANGE-CONTROL-DEV-DIRS* an AList of item-type -> dir name

:: *CHANGE-CONTROL-FREEZE-DIRS* likewise for freeze dirs

:: *CHANGE-CONTROL-CHANGE-TEAMS* names to send change control submissions to

(FILES COMPAREOURCES)

(VARS *CHANGE-CONTROL-DEV-DIRS* *CHANGE-CONTROL-FREEZE-DIRS* *CHANGE-CONTROL-CHANGE-TEAMS*
CHANGE-CONTROL-DEVELOPMENT-LEADERS *CHANGE-CONTROL-COMPARISON-FUNCTIONS*)

(INITVARS (*CC-SEE-DETAILS* NIL))

(FNS CHANGECONTROL)

(COMMANDS "cc"))

::: Automate the process of change-control submission

:: Variables which control change control:

:: *CHANGE-CONTROL-DEV-DIRS* an AList of item-type -> dir name

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(FILESLOAD COMPAREOURCES)

(RPAQQ ***CHANGE-CONTROL-DEV-DIRS*** ((NIL . "{pele:mv:Envos}<Medley>1.2>new")
(SOURCE . "{pele:mv:Envos}<Medley>1.2>new")
(SOURCES . "{pele:mv:Envos}<Medley>1.2>new")
(:SOURCES . "{pele:mv:Envos}<Medley>1.2>new")
(:SOURCE . "{pele:mv:Envos}<Medley>1.2>new")
(LIB . "{pele:mv:Envos}<Medley>1.2>new")
(LIBRARY . "{pele:mv:Envos}<Medley>1.2>new")
(:LIB . "{pele:mv:Envos}<Medley>1.2>new")
(:LIBRARY . "{pele:mv:Envos}<Medley>1.2>new")
(PCE . |{ERIS}<Lispcore>internal>Library|)
(:PCE . |{ERIS}<Lispcore>internal>Library|)
(ROOMS . |{Pogo:AINorth}<Rooms>Medley>Sources|)
(:ROOMS . |{Pogo:AINorth}<Rooms>Medley>Sources|)))

(RPAQQ ***CHANGE-CONTROL-FREEZE-DIRS*** ((NIL . "{pele:mv:envos}<medley>1.2>sources")
(SOURCE . "{pele:mv:envos}<medley>1.2>sources")
(SOURCES . "{pele:mv:envos}<medley>1.2>sources")
(:SOURCES . "{pele:mv:envos}<medley>1.2>sources")
(:SOURCE . "{pele:mv:envos}<medley>1.2>sources")
(LIB . "{pele:mv:envos}<medley>1.2>library")
(LIBRARY . "{pele:mv:envos}<medley>1.2>library")
(:LIB . "{pele:mv:envos}<medley>1.2>library")
(:LIBRARY . "{pele:mv:envos}<medley>1.2>library")
(ROOMS . |{Pallas:AINorth}<Rooms>Medley>Sources|)
(:ROOMS . |{Pallas:AINorth}<Rooms>Medley>Sources|)))

(RPAQQ ***CHANGE-CONTROL-CHANGE-TEAMS***

((NIL GV "James.envos, Sybalsky.envos" NS "MedleyDev:MV:Envos")
(SOURCE GV "James.envos, Sybalsky.envos" NS "MedleyDev:MV:Envos")
(SOURCES GV "James.envos, Sybalsky.envos" NS "MedleyDev:MV:Envos")
(:SOURCES GV "James.envos, Sybalsky.envos" NS "MedleyDev:MV:Envos")
(:SOURCE GV "James.envos, Sybalsky.envos" NS "MedleyDev:MV:Envos")
(LIB GV "James.envos, Sybalsky.envos" NS "MedleyDev:MV:Envos")
(LIBRARY GV "James.envos, Sybalsky.envos" NS "MedleyDev:MV:Envos")
(:LIB GV "James.envos, Sybalsky.envos" NS "MedleyDev:MV:Envos")
(:LIBRARY GV "James.envos, Sybalsky.envos" NS "MedleyDev:MV:Envos")
(ROOMS GV "James.envos, Kohlsaas.envos, RClarke.envos, Harada.envos" NS "James:AINorth,
Kohlsaas:AINorth, RClarke:AINorth, Harada:AINorth")
(:ROOMS GV "James.envos, Kohlsaas.envos, RClarke.envos, Harada.envos" NS "James:AINorth,
Kohlsaas:AINorth, RClarke:AINorth, Harada:AINorth"))

(RPAQQ ***CHANGE-CONTROL-DEVELOPMENT-LEADERS***

((NIL GV "Sybalsky.envos" NS "")
(SOURCE GV "Sybalsky.envos" NS ""))

```
(SOURCES GV "Sybalsky.envos" NS "")
(:SOURCES GV "Sybalsky.envos" NS "")
(:SOURCE GV "Sybalsky.envos" NS "")
(LIB GV "Sybalsky.envos" NS "")
(LIBRARY GV "Sybalsky.envos" NS "")
(:LIB GV "Sybalsky.envos" NS "")
(:LIBRARY GV "Sybalsky.envos" NS "")
(ROOMS GV "Cutting.pa" NS "Cutting:PARC")
(:ROOMS GV "Cutting.pa" NS "Cutting:PARC"))
```

(RPAQQ *CHANGE-CONTROL-COMPARISON-FUNCTIONS* NIL)

(RPAQ? *CC-SEE-DETAILS* NIL)

(DEFINEQ

(CHANGECONTROL

(LAMBDA (FILES TYPE DETAILS?) ; Edited 11-Oct-88 18:44 by jds

;; Build a change-control message to the change-control team for the files in FILES, which may be a list or a single file name. The file name may include extensions and version numbers, and the comparison is always against the LATEST version on the freeze directory.
;; TYPE (presently one of NIL, SOURCE, SOURCES, LIB, LIBRARY), is looked up in several ALists to control what directories the files will be on, and who gets the change-control message.. This permits future extensions to other products.

```
(LET* ((COMFILE (OPENSTREAM '{NODIRCORE} 'BOTH 'NEW))
      (DEVDIR (CDR (ASSOC TYPE *CHANGE-CONTROL-DEV-DIRS*)))
      (FREEZEDIR (CDR (ASSOC TYPE *CHANGE-CONTROL-FREEZE-DIRS*)))
      (CHANGETEAM (LISTGET (CDR (ASSOC TYPE *CHANGE-CONTROL-CHANGE-TEAMS*))
                          (LAFITEMODE)))
      (DEV-LEADER (LISTGET (CDR (ASSOC TYPE *CHANGE-CONTROL-DEVELOPMENT-LEADERS*))
                          (LAFITEMODE)))
      (COMPAREFN (OR (CDR (ASSOC TYPE *CHANGE-CONTROL-COMPARISON-FUNCTIONS*))
                    (FUNCTION COMPAREOURCES)))
      (DATED-FILES ((for| FILE |inside| FILES |join| (LIST (FINDFILE FILE NIL (LIST DEVDIR))
                                                            (GETFILEINFO (FINDFILE FILE NIL (LIST DEVDIR))
                                                                'CREATIONDATE)))))
```

MSG)

;; Do the comparison of latest file with the latest frozen file.

```
(FRESHLINE PROMPTWINDOW)
(PRINTOUT PROMPTWINDOW "Comparing sources...")
(|for| FILE |inside| FILES |do| (PRINTOUT PROMPTWINDOW FILE " ")
  (PRINTOUT COMFILE T T "- - - - -" T T)
  (APPLY* COMPAREFN (PACKFILENAME 'DIRECTORY FREEZEDIR 'VERSION NIL
                                'BODY FILE)
                (PACKFILENAME 'DIRECTORY DEVDIR 'BODY FILE)
                NIL NIL COMFILE))
```

(PRINTOUT PROMPTWINDOW "Done." T)

;; Build the change-control detail message that goes to the development project leader:

```
(SETQ MSG (OPENTEXTSTREAM (CONCAT "Subject: Change Control Detail for " FILES "
  To: " DEV-LEADER "
  cc: " (FULLUSERNAME)
  (CL:FORMAT NIL "~%~%Candidate files::~~% ~A (~A)~%" (CAR
                                                         DATED-FILES
                                                         )
                (CADR DATED-FILES))
  (CL:FORMAT NIL "~{~5t~A (~A)~%}" (CDDR DATED-FILES))
  "Comparison of Sources:
  ")
          NIL NIL NIL (LIST 'FONT LAFITEEDITORFONT)))
; Msg header
(TEDIT.SETSEL MSG (|fetch| (TEXTOBJ TEXTLEN) |of| (TEXTOBJ MSG))
  0
  'RIGHT NIL T) ; Go to the end
(SETFILEPTR COMFILE 0)
(TEDIT.INCLUDE MSG COMFILE) ; And append the comparison results
(TEDIT.LOOKS MSG '(FAMILY GACHA SIZE 10 WEIGHT MEDIUM SLOPE REGULAR))
(COND
  ((OR *CC-SEE-DETAILS* DETAILS?) ; He wants to see the details
   (ADD.PROCESS `(\SENDMESSAGE 'MSG 'NAME 'MESSAGESENDER)))
  (T ; Doesn't want to see it; just fire the details off.
   (LAFITE.SENDMESSAGE MSG)))
```

;; Now build the message form

```
(SETQ MSG (OPENTEXTSTREAM (CONCAT "Subject: Change Control for " FILES "
  To: " CHANGETEAM "
  cc: " (FULLUSERNAME)
  (CL:FORMAT NIL "~%~%Candidate files::~~% ~A (~A)~%" (CAR
                                                         DATED-FILES
                                                         )
                (CADR DATED-FILES))
  (CL:FORMAT NIL "~{~5t~A (~A)~%}" (CDDR DATED-FILES))
  "
  ARs fixed: >>list of AR numbers<<" "
  Changes: >>Explanation of change<<" "
```

Patch File: >>location of patch file, or note that it's
whole-file<<" "
Tests: >>location of regression test/script, test case itself," " or
ref to AR test case used<<

)

NIL NIL NIL (LIST 'FONT LAFITEEDITORFONT))

;Msg header

(TEDIT.SETSEL MSG 1 0 'LEFT)

(TEDIT.NEXT MSG)

; Now leave him at the "explanation" fill-in, and send it off.

(ADD.PROCESS `(\SENDMESSAGE ',MSG 'NAME 'MESSAGESENDER))

)

(DEFCOMMAND "cc" (FILE-OR-FILES &OPTIONAL TYPE) (CHANGECONTROL FILE-OR-FILES (CL:INTERN (STRING TYPE)
'INTERLISP)))

(PUTPROPS CHANGECONTROL COPYRIGHT ("Venue & Xerox Corporation" 1987 1988 1989 1990))

FUNCTION INDEX

CHANGECONTROL2

VARIABLE INDEX

CC-SEE-DETAILS2	*CHANGE-CONTROL-DEV-DIRS*1
CHANGE-CONTROL-CHANGE-TEAMS1	*CHANGE-CONTROL-DEVELOPMENT-LEADERS*1
CHANGE-CONTROL-COMPARISON-FUNCTIONS2	*CHANGE-CONTROL-FREEZE-DIRS*1

COMMAND INDEX

"cc"3
