

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
(FILE COMPARE SOURCES)
(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

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```

(FILESLOAD COMPARE SOURCES)

```
(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, Kohlsaat.envos, RClarke.envos, Harada.envos" NS "James:AINorth,
  Kohlsaat:AINorth, RClarke:AINorth, Harada:AINorth")
 (:ROOMS GV "James.envos, Kohlsaat.envos, RClarke.envos, Harada.envos" NS "James:AINorth,
  Kohlsaat: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 numberts, 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 COMPARERESOURCES)))
           (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 ; 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))

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