

File created: 14-Jun-90 15:54:35 {PELE:MV:ENVOS}<LISPCORE>SOURCES>XCL-PACKAGE.;3

previous date: 18-May-90 01:18:05 {PELE:MV:ENVOS}<LISPCORE>SOURCES>XCL-PACKAGE.;2

Read Table: INTERLISP

Package: XEROX-COMMON-LISP

Format: XCCS

(IL:* IL:* ;"
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")

(IL:RPAQQ IL:XCL-PACKAGECOMS

(

::: Setting up the XCL package.

```
(IL:FUNCTIONS CL::DEFECT-FROM-IL-TO-XCL CL::CHECK-ALL)
(IL:VARIABLES CL::FUTURE-CITIZENS-OF-XCL)
(IL:DECLARE%: IL:DONTEVAL@LOAD IL:DOCOPY
  (IL:P ;; New exports from XCL should go in the EXPORT clause here
    (DEFPACKAGE "XEROX-COMMON-LISP" (:USE "LISP" "CONDITIONS")
      (:NICKNAMES "XCL")
      (:PREFIX-NAME "XCL")
      (:EXPORT ARGLIST SET-EXEC-TYPE SET-DEFAULT-EXEC-TYPE SYNONYM-STREAM-P
        SYNONYM-STREAM-SYMBOL FOLLOW-SYNONYM-STREAMS BROADCAST-STREAM-P
        BROADCAST-STREAM-STREAMS CONCATENATED-STREAM-P CONCATENATED-STREAM-STREAMS
        TWO-WAY-STREAM-P TWO-WAY-STREAM-INPUT-STREAM TWO-WAY-STREAM-OUTPUT-STREAM
        ECHO-STREAM-P ECHO-STREAM-INPUT-STREAM ECHO-STREAM-OUTPUT-STREAM
        STRING-STREAM-P OPEN-STREAM-P *CURRENT-CONDITION* *EVAL-FUNCTION*
        *EXEC-PROMPT* *DEBUGGER-PROMPT* MAKE-PROFILE RESTORE-PROFILE SAVE-PROFILE
        WITH-PROFILE COPY-PROFILE PROFILE-NAME PROFILE-P FIND-PROFILE
        LIST-ALL-PROFILES DEFPROFILE PROFILES *DEFAULT-PROFILE* *PROFILE* PACK
        PACK* *PRINT-STRUCTURE* DO-INTERNAL-SYMBOLS PKG-GOTO READ-CONFLICT
        READ-CONFLICT-NAME READ-CONFLICT-PACKAGES MISSING-EXTERNAL-SYMBOL
        MISSING-EXTERNAL-SYMBOL-NAME MISSING-EXTERNAL-SYMBOL-PACKAGE
        MISSING-PACKAGE MISSING-PACKAGE-PACKAGE-NAME MISSING-PACKAGE-SYMBOL-NAME
        MISSING-PACKAGE-EXTERNAL PACKAGE-ERROR PACKAGE-ERROR-PACKAGE
        SYMBOL-CONFLICT SYMBOL-CONFLICT-SYMBOLS USE-CONFLICT
        USE-CONFLICT-USED-PACKAGE EXPORT-CONFLICT EXPORT-CONFLICT-EXPORTED-SYMBOLS
        SYMBOL-COLON-ERROR ESCAPE-COLONS-PROCEED EXPORT-CONFLICT-PACKAGES
        EXPORT-MISSING EXPORT-MISSING-SYMBOLS IMPORT-CONFLICT UNINTERN-CONFLICT
        UNINTERN-CONFLICT-SYMBOL PREFER-CLSYM-PROCEED RETURN-CLSYM-PROCEED
        PREFER-ILSYM-PROCEED RETURN-ILSYM-PROCEED MAKE-EXTERNAL-PROCEED
        MAKE-INTERNAL-PROCEED NEW-PACKAGE-PROCEED UGLY-SYMBOL-PROCEED
        SHADOW-USE-CONFLICTS-PROCEED UNINTERN-USER-PROCEED UNINTERN-USEE-PROCEED
        UNINTERN-PROCEED IMPORT-PROCEED SHADOWING-IMPORT-PROCEED *TRACE-IO*
        HASH-TABLE-FULL HASH-TABLE-FULL-TABLE ATTEMPT-TO-CHANGE-CONSTANT
        ATTEMPT-TO-CHANGE-CONSTANT-NAME ATTEMPT-TO-RPLAC-NIL
        ATTEMPT-TO-RPLAC-NIL-NAME TYPE-ERROR-EXPECTED-TYPE SIMPLE-TYPE-ERROR
        SIMPLE-TYPE-ERROR-EXPECTED-TYPE SIMPLE-TYPE-ERROR-CULPRIT STREAM-NOT-OPEN
        STREAM-NOT-OPEN-STREAM SYMBOL-NAME-TOO-LONG SYMBOL-NAME-TOO-LONG-STREAM
        SYMBOL-HT-FULL ARRAY-SPACE-FULL DATA-TYPES-EXHAUSTED DEVICE-ERROR
        DEVICE-ERROR-DEVICE SIMPLE-DEVICE-ERROR SIMPLE-DEVICE-ERROR-DEVICE
        SIMPLE-DEVICE-ERROR-MESSAGE FS-ERROR FILE-WONT-OPEN
        FILE-WONT-OPEN-PATHNAME FS-RESOURCES-EXCEEDED FS-PROTECTION-VIOLATION
        ARITHMETIC-ERROR ARITHMETIC-ERROR-OPERATION ARITHMETIC-ERROR-OPERANDS
        FLOATING-OVERFLOW FLOATING-OVERFLOW-OPERATION FLOATING-OVERFLOW-OPERANDS
        FLOATING-UNDERFLOW FLOATING-UNDERFLOW-OPERATION
        FLOATING-UNDERFLOW-OPERANDS PATHNAME-ERROR PATHNAME-ERROR-PATHNAME
        FILE-NOT-FOUND FILE-NOT-FOUND-PATHNAME INVALID-PATHNAME
        INVALID-PATHNAME-PATHNAME CONTROL-E-INTERRUPT CONTROL-E-INTERRUPT-FUNCTION
        ASSERTION-FAILED ASSERTION-FAILED-FORMAT-STRING
        ASSERTION-FAILED-FORMAT-ARGUMENTS BAD-PROCEED-CASE-NAME
        TYPE-MISMATCH TYPE-MISMATCH-EXPECTED-TYPE TYPE-MISMATCH-VALUE
        TYPE-MISMATCH-MESSAGE STORAGE-EXHAUSTED CREATE-TRACE-WINDOW
        UNBREAK-FUNCTION REBREAK-FUNCTION TRACE-FUNCTION *TRACE-LEVEL*
        *TRACE-LENGTH* *TRACE-VERBOSE* INNER REINSTALL-ADVICE ADVISE-FUNCTION
        UNADVISE-FUNCTION READVISE-FUNCTION ADVISED-FUNCTIONS DEFADVISE
        WITH-COLLECTION COLLECT ONCE-ONLY *SHORT-SITE-NAME* *LONG-SITE-NAME*
        DEFINER NAMED-PROGN COMPILE-DEFINER COMPILE-FORM FALSE FILE-ENVIRONMENTS
        DEFINE-FILE-ENVIRONMENT *BREAK-ON-SIGNALS* HANDLER-CASE
        WITH-SIMPLE-RESTART RESTART-CASE RESTART-BIND COMPUTE-RESTARTS
        RESTART-NAME FIND-RESTART INVOKE-RESTART INVOKE-RESTART-INTERACTIVELY
        CONTINUE MUFFLE-WARNING INVOKE-DEBUGGER RESTART TYPE-ERROR
        TYPE-ERROR-DATUM PROGRAM-ERROR FILE-ERROR FILE-ERROR-PATHNAME
        DIVISION-BY-ZERO FLOATING-POINT-OVERFLOW FLOATING-POINT-UNDERFLOW
        ROW-MAJOR-AREF RECORD-FETCH RECORD-FFETCH RECORD-CREATE DEFINE-RECORD
        PACKAGE-PREFIX))
      (IL:MAPC CL::FUTURE-CITIZENS-OF-XCL 'CL::DEFECT-FROM-IL-TO-XCL)
      (CL::CHECK-ALL)))
  ;; Arrange for the proper makefile environment
  (IL:PROP (IL:FILETYPE IL:MAKEFILE-ENVIRONMENT)
```

IL:XCL-PACKAGE)))

::: Setting up the XCL package.

```
(DEFUN CL::DEFECT-FROM-IL-TO-XCL (CL::NAME)
  (CL::NATURALIZE CL::NAME (FIND-PACKAGE 'CL::IL)
    (FIND-PACKAGE 'CL::XCL)))
```

```
(DEFUN CL::CHECK-ALL ()
  [LET ((CL::XCLP (FIND-PACKAGE "XCL")))
    (DOLIST (CL::X CL::FUTURE-CITIZENS-OF-XCL T)
      (LET* ((CL::S (INTERN CL::X CL::XCLP))
              (CL::P (SYMBOL-PACKAGE CL::S)))
        (IF (NOT (EQ CL::P CL::XCLP))
            (FORMAT T "~S ~S~%" CL::S CL::P)))
        (LET [(CL::SL (MAPCAN [IL:FUNCTION (LAMBDA (PACKAGE)
            (MULTIPLE-VALUE-BIND (SYMBOL CL::WHERE)
              (FIND-SYMBOL CL::X PACKAGE)
              (AND SYMBOL (EQ CL::WHERE :EXTERNAL)
                (LIST SYMBOL))))]
              ' ("IL" "XCL" "CL")
            (IF (NOT (CASE (LENGTH CL::SL)
              (2 (EQ (FIRST CL::SL)
                (SECOND CL::SL)))
              (3 (AND (EQ (FIRST CL::SL)
                (SECOND CL::SL))
                  (EQ (SECOND CL::SL)
                    (THIRD CL::SL))))))
              (T T)))
          (ERROR "More than one version of this symbol exists: ~s~%" CL::SL))))])
```

(DEFPARAMETER CL::FUTURE-CITIZENS-OF-XCL

```
  (
    ;; new definers
    "DEFCOMMAND" "DEFDEFINER" "DEFGLOBALPARAMETER" "DEFGLOBALVAR" "DEFINE-CONDITION" "DEFINE-PROCEED-FUNCTION"
    "DEFINLINE" "DEFOPTIMIZER" "DEFPACKAGE" "DEF-DEFINE-TYPE" "*DEFINITION-HASH-TABLE*"
    ;; for UNDO
    "DEFINE-UNDOABLE-MODIFY-MACRO" "UNDOABLY" "UNDOABLY-SETF" "DEFINE-SPECIAL-FORM"
    ;; for the EXEC
    "*CURRENT-EVENT*" "EXEC-ID" "*PER-EXEC-VARIABLES*" "EXEC-MAKE-UNDOABLE-P" "EXEC-FORMAT" "EXEC-EVAL"
    "EXEC" "ADD-EXEC" "EXEC-VALUE-OF"
    ;; for the debugger
    "DEBUGGER" "PRINT-BACKTRACE" "*DEBUGGER-MENU-ITEMS*" "ENTER-DEBUGGER-P" "*DEBUGGER-ENTRY-POINTS*" "HELP"
    "UNBREAK" "BREAK-FUNCTION" "*TRACE-DEPTH*"
    ;; others in alphabetical order
    "&CONTEXT" "*DEFAULT-PUSH-EXTENSION-SIZE*" "*PREFERRED-READING-SYMBOLS*" "*TOTAL-PACKAGES-LIMIT*" "ABORT"
    "ARRAY-NEEDS-INDIRECTION-P" "ASET" "BIT-ARRAY-P" "CATCH-ABORT" "CELL-ERROR" "CELL-ERROR-NAME"
    "COMPUTE-PROCEED-CASES" "CONDITION" "CONDITION-BIND" "CONDITION-CASE" "CONDITION-HANDLER"
    "CONDITION-REPORTER" "CONTROL-ERROR" "COPY-ARRAY" "DEBUG" "DEFAULT-PROCEED-REPORT" "DEFAULT-PROCEED-TEST"
    "DELETE-PACKAGE" "DESTRUCTURING-BIND" "DESTRUCTURING-SETQ" "DISPLACED-ARRAY-P" "DO-LOCAL-SYMBOLS"
    "END-OF-FILE" "END-OF-FILE-STREAM" "EQUAL-DIMENSIONS-P" "EXTENDABLE-ARRAY-P" "FILL-ARRAY" "FILL-VECTOR"
    "FIND-PROCEED-CASE" "GLOBAL" "GLOBALIZE" "HANDLER-BIND" "IGNORE-ERRORS" "ILLEGAL-GO" "ILLEGAL-GO-TAG"
    "ILLEGAL-RETURN" "ILLEGAL-RETURN-TAG" "ILLEGAL-THROW" "ILLEGAL-THROW-TAG" "INVOKE-PROCEED-CASE"
    "MAKE-CONDITION" "MAKE-VECTOR" "OPTIMIZERS" "PARSE-BODY" "PROCEED" "PROCEED-CASE" "PROCEED-CASE-NAME"
    "READ-ERROR" "READ-ERROR-STREAM" "READ-ONLY-ARRAY-P" "REMOVE-COMMENTS" "SERIOUS-CONDITION"
    "SHADOWING-USE-PACKAGE" "SIGNAL" "SIMPLE-ARRAY-P" "SIMPLE-BREAK" "SIMPLE-BREAK-FORMAT-ARGUMENTS"
    "SIMPLE-BREAK-FORMAT-STRING" "SIMPLE-CONDITION" "SIMPLE-CONDITION-FORMAT-ARGUMENTS"
    "SIMPLE-CONDITION-FORMAT-STRING" "SIMPLE-ERROR" "SIMPLE-ERROR-FORMAT-ARGUMENTS"
    "SIMPLE-ERROR-FORMAT-STRING" "SIMPLE-WARNING" "SIMPLE-WARNING-FORMAT-ARGUMENTS"
    "SIMPLE-WARNING-FORMAT-STRING" "STACK-OVERFLOW" "STORAGE-CONDITION" "STORE-VALUE" "STREAM-ERROR"
    "STREAM-ERROR-STREAM" "STRING-ARRAY-P" "TRUE" "UNBOUND-VARIABLE" "UNBOUND-VARIABLE-NAME"
    "UNDEFINED-FUNCTION" "UNDEFINED-FUNCTION-NAME" "USE-VALUE" "VECTOR-LENGTH" "WALK-FORM"
    "WALK-FORM-INTERNAL" "WALK-TEMPLATE" "WARNING")
    "A list of names retroactively placed in XCL; do not add to it.")
```

(IL:DECLARE%: IL:DONTEVAL@LOAD IL:DOCOPY

::: New exports from XCL should go in the EXPORT clause here

```
(DEFPACKAGE "XEROX-COMMON-LISP" (:USE "LISP" "CONDITIONS")
  (:NICKNAMES "XCL")
  (:PREFIX-NAME "XCL")
  (:EXPORT ARGLIST SET-EXEC-TYPE SET-DEFAULT-EXEC-TYPE SYNONYM-STREAM-P SYNONYM-STREAM-SYMBOL
    FOLLOW-SYNONYM-STREAMS BROADCAST-STREAM-P BROADCAST-STREAM-STREAMS CONCATENATED-STREAM-P
    CONCATENATED-STREAM-STREAMS TWO-WAY-STREAM-P TWO-WAY-STREAM-INPUT-STREAM
    TWO-WAY-STREAM-OUTPUT-STREAM ECHO-STREAM-P ECHO-STREAM-INPUT-STREAM ECHO-STREAM-OUTPUT-STREAM
    STRING-STREAM-P OPEN-STREAM-P *CURRENT-CONDITION* *EVAL-FUNCTION* *EXEC-PROMPT* *DEBUGGER-PROMPT*
    MAKE-PROFILE RESTORE-PROFILE SAVE-PROFILE WITH-PROFILE COPY-PROFILE PROFILE-NAME PROFILE-P
    FIND-PROFILE LIST-ALL-PROFILES DEFPROFILE PROFILES *DEFAULT-PROFILE* *PROFILE* PACK PACK*
```

```

*PRINT-STRUCTURE* DO-INTERNAL-SYMBOLS PKG-GOTO READ-CONFLICT READ-CONFLICT-NAME
READ-CONFLICT-PACKAGES MISSING-EXTERNAL-SYMBOL MISSING-EXTERNAL-SYMBOL-NAME
MISSING-EXTERNAL-SYMBOL-PACKAGE MISSING-PACKAGE MISSING-PACKAGE-PACKAGE-NAME
MISSING-PACKAGE-SYMBOL-NAME MISSING-PACKAGE-EXTERNAL PACKAGE-ERROR PACKAGE-ERROR-PACKAGE
SYMBOL-CONFLICT SYMBOL-CONFLICT-SYMBOLS USE-CONFLICT USE-CONFLICT-USED-PACKAGE EXPORT-CONFLICT
EXPORT-CONFLICT-EXPORTED-SYMBOLS SYMBOL-COLON-ERROR ESCAPE-COLONS-PROCEED EXPORT-CONFLICT-PACKAGES
EXPORT-MISSING EXPORT-MISSING-SYMBOLS IMPORT-CONFLICT UNINTERN-CONFLICT UNINTERN-CONFLICT-SYMBOL
PREFER-CLSYM-PROCEED RETURN-CLSYM-PROCEED PREFER-ILSYM-PROCEED RETURN-ILSYM-PROCEED
MAKE-EXTERNAL-PROCEED MAKE-INTERNAL-PROCEED NEW-PACKAGE-PROCEED UGLY-SYMBOL-PROCEED
SHADOW-USE-CONFLICTS-PROCEED UNINTERN-USER-PROCEED UNINTERN-USER-PROCEED UNINTERN-PROCEED
IMPORT-PROCEED SHADOWING-IMPORT-PROCEED *TRACE-IO* HASH-TABLE-FULL HASH-TABLE-FULL-TABLE
ATTEMPT-TO-CHANGE-CONSTANT ATTEMPT-TO-CHANGE-CONSTANT-NAME ATTEMPT-TO-RPLAC-NIL
ATTEMPT-TO-RPLAC-NIL-NAME TYPE-ERROR-EXPECTED-TYPE SIMPLE-TYPE-ERROR
SIMPLE-TYPE-ERROR-EXPECTED-TYPE SIMPLE-TYPE-ERROR-CULPRIT STREAM-NOT-OPEN STREAM-NOT-OPEN-STREAM
SYMBOL-NAME-TOO-LONG SYMBOL-NAME-TOO-LONG-STREAM SYMBOL-HT-FULL ARRAY-SPACE-FULL
DATA-TYPES-EXHAUSTED DEVICE-ERROR DEVICE-ERROR-DEVICE SIMPLE-DEVICE-ERROR
SIMPLE-DEVICE-ERROR-DEVICE SIMPLE-DEVICE-ERROR-MESSAGE FS-ERROR FILE-WONT-OPEN
FILE-WONT-OPEN-PATHNAME FS-RESOURCES-EXCEEDED FS-PROTECTION-VIOLATION ARITHMETIC-ERROR
ARITHMETIC-ERROR-OPERATION ARITHMETIC-ERROR-OPERANDS FLOATING-OVERFLOW FLOATING-OVERFLOW-OPERATION
FLOATING-OVERFLOW-OPERANDS FLOATING-UNDERFLOW FLOATING-UNDERFLOW-OPERATION
FLOATING-UNDERFLOW-OPERANDS PATHNAME-ERROR PATHNAME-ERROR-PATHNAME FILE-NOT-FOUND
FILE-NOT-FOUND-PATHNAME INVALID-PATHNAME INVALID-PATHNAME-PATHNAME CONTROL-E-INTERRUPT
CONTROL-E-INTERRUPT-FUNCTION ASSERTION-FAILED ASSERTION-FAILED-FORMAT-STRING
ASSERTION-FAILED-FORMAT-ARGUMENTS BAD-PROCEED-CASE BAD-PROCEED-CASE-NAME TYPE-MISMATCH
TYPE-MISMATCH-EXPECTED-TYPE TYPE-MISMATCH-VALUE TYPE-MISMATCH-MESSAGE STORAGE-EXHAUSTED
CREATE-TRACE-WINDOW UNBREAK-FUNCTION REBREAK-FUNCTION TRACE-FUNCTION *TRACE-LEVEL* *TRACE-LENGTH*
*TRACE-VERBOSE* INNER REINSTALL-ADVICE ADVISE-FUNCTION UNADVISE-FUNCTION READADVISE-FUNCTION
ADVISED-FUNCTIONS DEFADVICE WITH-COLLECTION COLLECT ONCE-ONLY *SHORT-SITE-NAME* *LONG-SITE-NAME*
DEFINER NAMED-PROGN COMPILER-DEFINER COMPILER-FORM FALSE FILE-ENVIRONMENTS DEFINE-FILE-ENVIRONMENT
*BREAK-ON-SIGNALS* HANDLER-CASE WITH-SIMPLE-RESTART RESTART-CASE RESTART-BIND COMPUTE-RESTARTS
RESTART-NAME FIND-RESTART INVOKE-RESTART INVOKE-RESTART-INTERACTIVELY CONTINUE MUFFLE-WARNING
INVOKE-DEBUGGER RESTART TYPE-ERROR TYPE-ERROR-DATUM PROGRAM-ERROR FILE-ERROR FILE-ERROR-PATHNAME
DIVISION-BY-ZERO FLOATING-POINT-OVERFLOW FLOATING-POINT-UNDERFLOW ROW-MAJOR-AREF RECORD-FETCH
RECORD-FETCH RECORD-CREATE DEFINE-RECORD PACKAGE-PREFIX)

```

(IL:MAPC CL::FUTURE-CITIZENS-OF-XCL 'CL::DEFECT-FROM-IL-TO-XCL)

(CL::CHECK-ALL)
)

:: Arrange for the proper makefile environment

(IL:PUTPROPS IL:XCL-PACKAGE IL:FILETYPE IL:COMPILE-FILE)

(IL:PUTPROPS IL:XCL-PACKAGE IL:MAKEFILE-ENVIRONMENT (:READTABLE "INTERLISP" :PACKAGE (DEFPACKAGE "XCL" (:USE)))
)

(IL:PUTPROPS IL:XCL-PACKAGE IL:COPYRIGHT ("Venue & Xerox Corporation" 1986 1987 1988 1990))

FUNCTION INDEX

CL::CHECK-ALL2 CL::DEFECT-FROM-IL-TO-XCL2

PROPERTY INDEX

IL:XCL-PACKAGE3

VARIABLE INDEX

CL::FUTURE-CITIZENS-OF-XCL2
