X Record Extension Library

X Consortium Standard

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Edited by Stephen Gildea

X Record Extension Library: X Consortium Standard

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[illegible]

[illegible]

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[illegible]

Synchronous Playback

[illegible] `MotionNotify` [illegible] `ButtonPress` [illegible] `ButtonRelease` [illegible] `ImageText8` [illegible] `PolyLine` [illegible] `Expose` [illegible] `MapNotify` [illegible]

[illegible]

Design Approach

[illegible]

Record Clients

[illegible]

[illegible] `XRecordContext` [illegible]

[illegible]

[illegible]

- `XRecordQueryVersion`

  [illegible]

- `XRecordCreateContext`

  [illegible] `XRecord-Context` [illegible]

- `XRecordEnableContext`

  [illegible]

- `XRecordDisableContext`

  [illegible]

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  [illegible]

[illegible] `X11/extensions/record.h` [illegible] `Xtst` [illegible] `XRecord` [illegible]

Chapter 2. Common Arguments

[illegible] XRecordCreateContext [illegible] XRecordRegisterClients [illegible]

[illegible]

[illegible]

[illegible]

[illegible] XRecordCreateContext [illegible] XRecordRegisterClients [illegible]

Datum Flags

[illegible]

[illegible] XRecordFromServerTime [illegible] XRecordInterceptData [illegible] XRecordFromServer [illegible]

[illegible] XRecordFromClientTime [illegible] XRecordInterceptData [illegible] XRecordFromClient [illegible]

[illegible] XRecordFromClientSequence [illegible] XRecordInterceptData [illegible] XRecordFromClient [illegible] XRecordClientDied [illegible]

Selecting Clients

[illegible] XRecordClientSpec [illegible] XRecordClientSpec [illegible]

[illegible] BadMatch [illegible] XRecordCurrentClients [illegible] XRecordFutureClients [illegible] XRecordAllClients [illegible]

[illegible]

[illegible] XRecordCurrentClients [illegible] XRecordFutureClients [illegible] XRecordAllClients [illegible] XRecordCurrentClients [illegible] XRecordAllClients [illegible]

Protocol Ranges

[illegible] XRecordCreateContext [illegible] XRecordRegisterClients [illegible] XRecordRange [illegible] XRecordRange [illegible] XRecordAllocRange [illegible]

[illegible] XRecordRange [illegible]

[illegible]

[illegible] XRecordRange [illegible] XRecordRange8 [illegible]

[illegible]

[illegible] XRecordRange16 [illegible]

[illegible]

[illegible] XRecordExtRange [illegible]

[illegible]

[illegible] `True` [illegible] `False` [illegible]
`XRecordRange`

Chapter 3. Library Extension Requests

[illegible] BadAlloc [illegible] BadLength [illegible]

Query Extension Version

[illegible] XRecordQueryVersion [illegible]

```
Status XRecordQueryVersion( *display, cmajor_return, cminor_return);
```

[illegible]

[illegible]

[illegible]

[illegible] XRecordQueryVersion [illegible] XRecordQueryVersion [illegible]

Create and Modify Context

[illegible] XRecordCreateContext [illegible]

```
XRecordContext XRecordCreateContext( *display, datum_flags, *clients,
nclients, *ranges, nranges);
```

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible] XRecordCreateContext [illegible] XRecordContext [illegible]

[illegible] `XRecordCurrentClients`, `XRecordFutureClients`, [illegible] `XRecordAllClients` [illegible]

`XRecordCreateContext` [illegible] `XRecordCreateContext` [illegible] `BadIDChoice`, `BadMatch`, [illegible] `BadValue` [illegible]

[illegible] `XRecordRange` [illegible] `XRecordAllocRange`

[illegible]
[illegible]

[illegible] `XRecordAllocRange` [illegible] `XRecordRange` [illegible] `XFree` [illegible]

Additions

[illegible] `XRecordRegisterClients` [illegible]

```
Status  XRecordRegisterClients(  *display,    context,    datum_flags,
*clients,  nclients,  *ranges,  nranges);
```

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible] `XRecordCurrentClients`, `XRecordFutureClients`, [illegible] `XRecordAllClients` [illegible]

`XRecordRegisterClients` [illegible]

`XRecordRegisterClients` [illegible] `XRecordBadContext`, `BadMatch`, [illegible] `BadValue` [illegible]

Deletions

[illegible] XRecordUnregisterClients [illegible]

Status **XRecordUnRegisterClients**(*display*, *context*, **clients*, *nclients*);

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible] XRecordCurrentClients [illegible]

[illegible] XRecordFutureClients [illegible]

[illegible] XRecordAllClients [illegible]

XRecordUnregisterClients [illegible]

XRecordUnregisterClients [illegible] XRecordBadContext [illegible] BadMatch [illegible] BadValue [illegible]

Query Context State

[illegible] XRecordGetContext [illegible]

Status **XRecordGetContext**(*display*, *context*, ***state_return*);

[illegible]

[illegible]

[illegible]

[illegible] XRecordState [illegible] XRecordGetContext [illegible]

[illegible]

[illegible] True [illegible] False [illegible] XRecordClientInfo [illegible] XRecordClientInfo [illegible] XRecordClientInfo [illegible]

[illegible]

[illegible] XRecordFutureClients [illegible] XRecordRange [illegible]

XRecordGetContext [illegible] XRecordContext [illegible] XRecordBadContext [illegible]

[illegible] XRecordFreeState [illegible] XRecordGetContext

void **XRecordFreeState**(**state*);

[illegible]

XRecordFreeState [illegible] XRecordState [illegible] XRecordGetContext [illegible] XRecordFreeState [illegible]

Data Transfer

[illegible] XRecordEnableContext [illegible] XRecordDisableContext [illegible]

Enable Context

[illegible] XRecordEnableContext [illegible]

XRecordInterceptData

XRecordStartOfData XRecordFromServer XRecordFromClient XRecordClientStarted XRecordClientDied XRecordEndOfData XRecordStartOfData XRecordFromClient XRecordFromServer XRecordClientStarted XRecordClientDied XRecordEndOfData

True False XRecordStartOfData XRecordEndOfData

XRecordStartOfData XRecordClientDied XRecordEndOfData

KeyPress KeyRelease ButtonPress ButtonRelease MotionNotify [illegible] DeviceKeyPress [illegible] DeviceKeyRelease [illegible] DeviceButtonPress [illegible] DeviceButtonRelease [illegible] DeviceMotionNotify [illegible] ProximityIn [illegible] ProximityOut [illegible] DeviceValuator [illegible]

[illegible]

[illegible] XRecordInterceptProc [illegible]

```
typedef void (*XRecordInterceptProc)( closure, *recorded_data);
```

[illegible]

[illegible]

[illegible]

[illegible] XRecordFreeData [illegible] XRecordInterceptData [illegible]

```
Status XRecordEnableContext( *display, context, callback, closure);
```

[illegible]

[illegible]

[illegible]

[illegible]

XRecordEnableContext [illegible]

XRecordEnableContext [illegible] XRecordContext [illegible] XRecordBadContext [illegible] BadMatch [illegible]

Enable Context Asynchronously

[illegible] XRecordEnableContext [illegible] XRecordDisableContext [illegible] XRecor- [illegible] dEnableContext).-*-N%)*&

.-*--%9

Status **XRecordEnableContextAsync**(*display, context, callback, clo-
sure);

*-**)

*-**0

*-'*******)

*-**&

XRecordEnableContextAsync-%*!*)8'XRecordEnableContext@&RecordEnableCon-
text%-*0-XRecordEn!N
ableContextAsync'XRecordStartOfData
)

XRecordEnableContextAsync'E--*'**E-G''**-').*0
!''*-)XRecordContextXRecordBadContext
'.BadMatch'%-

;*-)**%**&-*!
***.**0*
&-%XRecordProcessReplies-'*

void **XRecordProcessReplies**(*display);

*-**)

XRecordProcessReplies%**&-)*
.'**&%*
XRecordProcessReplies'%))
+&

.-XRecordInterceptProc*&'XRecordFree-
Data

void **XRecordFreeData**(*data);

-''-

XRecordFreeData-+-!'*
XRecordInterceptDataXRecordInterceptProc*
&XRecordFreeData%)'
-

Disable Context

.*)!-**!0
'XRecordDisableContext)***)

`Status` **`XRecordDisableContext`**`(` *`*display`*`,` *`context`*`);`

[illegible]

[illegible]

[illegible] XRecordDisableContext [illegible] XRecordContext [illegible]

XRecordDisableContext [illegible] XRecordContext [illegible] XRecord-BadContext [illegible]

ID Base Mask

[illegible] XRecordIdBaseMask

`XID` **`XRecordIdBaseMask`**`(` *`*display`*`);`

[illegible]

[illegible] XRecordIdBaseMask [illegible]

Free Context

[illegible] XRecordFreeContext [illegible]

`Status` **`XRecordFreeContext`**`(` *`*display`*`,` *`context`*`);`

[illegible]

[illegible]

[illegible] XRecordFreeContext [illegible] XRecordDisableContext [illegible]

XRecordFreeContext [illegible] XRecordContext [illegible] XRecordBadContext [illegible]