

## TimeLine EDL Format Addendum 1.0

To support Version 3.0 of the MX-2424, some additions have been made to the OpenTL specification. With the way OpenTL rules are defined, and its parser implemented, older parsers / implementations should have no problem automatically discarding the unknown attributes and continuing on with a good read. The additions described in this section only affect the project file.

### **1) New Project Simple property attribute: Tape Mode State**

TPMD    Tape Mode State                    Integer (0 = Off, 1 = On)

example:    TPMD(1)                    -- TapeMode State requested to be on

### **2) New Project complex value attribute: Virtual Track Table**

This new attribute must optionally be placed before the TrackList (TKLS) in the project file. Track indexes used by the virtual tracks are always larger than the highest track supported by the generating device. A new range of indexes is defined by the Virtual track table to represent tracks that are editable, but not playable. Therefore, this should not affect any prior compatibility. Previous versions of OpenTL implementations from Tascam represented virtual tracks by using track indexes greater than or equal to 8192. Those virtual tracks will remain virtual and non-editable (unless first explicitly loaded to another slot). The table itself defines what index to start interpreting tracks as virtual and editable, and the number of supported virtual tracks (i.e. the max number of virtual tracks supported by the creator of the OpenTL file). This defines the exact range of track indexes to be treated as virtual and editable. For OpenTL files generated from Tascam products, the start index for the first virtual track index will be set to 64, regardless of how many tracks that a given machine actually supports for playback. That means for an MMR-8, indexes 8 through 63 will not be used; for an MX-2424, indexes 24 through 63 will not be used. This may change in the future, but not in the near future (only when a product that records and plays more than 64 tracks is developed).

<VirtualTrackTable> = 'VTTB' '{' <VTableProp>+ '}'

<VTableProp> = ( <VirtualTrackStartIndex> | <NumVirtualTracks> | <GroupTable> )

<VirtualTrackStartIndex> = 'VTSI' '(' Integer ')'

<NumVirtualTracks> = 'VNUM' '(' Integer ')'

<GroupTable> = 'VTGR' '{' <GroupTableProps> '}'

<GroupTableProps> = <VirtualGroupNum> <CollapsedGroup> <TrackIndex>\*

<VirtualGroupNum> = 'VGRP' '(' Integer ')'

<CollapsedGroup> = 'VCLP' '(' Integer ')'

<TrackIndex> = 'TKIN' '(' Integer ')'

#### **Virtual Track Table FieldNames**

VTTB	Virtual Track Table	Complex Value
VTSI	Virtual Track Start Index	Integer
VNUM	Max Number Virtual Tracks	Integer
VTGR	Virtual Table Group	Complex Value
VGRP	Virtual group number	Integer (group number representing the physical track number)
		(if a group entry is not present, then it is assumed to have no virtual tracks assigned to it.)
VCLP	Collapsed Virtual Group	Integer (0, or 1; 1 meaning collapsed)
TKIN	Track Index	Integer (reference to the TKIN found in the track list (TKLS))

### **3) New Project complex value attribute: User Groups Table**

This new attribute must optionally be placed before the TrackList (TKLS) in the project file. User groups are added to define groups of tracks for editing or selection. A User group has a name attribute, a group id, and contain a uniques list of track indexs (TKIN) to define the tracks associated with a particluar group. It is incorrect to have a track assigned to more than one group (if encountered, the first assignment will hold). The track indexes can be any track defined in the project, but is not meant to be used with non-editable virtual tracks, but is meant to be used with editable virtual tracks.

<UserGroupsTable> = 'UGTB' '{' <UserGroup>+ '}'

<UserGroupTable> = 'UGRP' '{' <UserGroupProps> '}'

<UserGroupProps> = <UserGroupNum> <UserGroupName> <TrackIndex>\*

<UserGroupNum> = 'UGNM' '(' Integer ')'

<UserGroupName> = 'UGNA' '(' String ')'

<TrackIndex> = 'TKIN' '(' Integer ')'

#### User Groups Table FieldNames

UGTB	User Groups Table	Complex Value
UGRP	User Group	Complex Value
UGNM	User Group number	Integer
UGNA	User Group Name	String

#### 4) Summary

The updated definition of a project file is now:  
(remember, everything between [ and ] is optional )

#### Definition of a ProjectFile

```
PJNM '(' "string" ')'
```

```
<SimpleProperty>*
```

```
[  
VTTB  
'{'  
    <VTableProp>+
```

```
'}'  
]
```

```
[  
UGTB  
'{'  
    <UserGroup>+  
'}'  
]
```

```
TKLS  
'{'  
    ( TRAK <ComplexValue> ) *  
'}'
```

```
[  
    MKLS  
    '{'  
        ( MARK <ComplexValue> ) *  
    '}'  
]  
'#'
```

**Example ProjectFile with Virtual Track Table And User Group Table:**

```
PJNM ("MMR Project")
SMRT (4)
SASI (2)
SNTY ("SDII")
FRRT (0)
PUSQ (2)
TKSQ (2)
VTTB
{
    VTSI (64)
    VNUM (128)
    VTGR
    {
        VGRP (0)
        VCLP (0)
        TKIN (0)
        TKIN (64)
        TKIN (65)
    }
    VTGR
    {
        VGRP (1)
        VCLP (1)
        TKIN (66)
        TKIN (1)
        TKIN (67)
    }
}
UGTB
{
    UGRP
    {
        GRNM (0)
        GRNA ("Take 1")
        TKIN (0)
        TKIN (1)
    }
    UGRP
    {
        GRNM (1)
        GRNA ("Take 2")
        TKIN (64)
        TKIN (66)
    }
    UGRP
    {
        GRNM (2)
        GRNA ("Take 3")
        TKIN (65)
        TKIN (67)
    }
}
TKLS
```

```

{
  TRAK
  {
    TKNM ("Track 1")
    TKIN (1)
    TKDS
    {
      FILE
      {
        VLTY ("HFS")
        VLNM ("b4028aef-2")
        DSNM ("14:Track1.trk")
      }
    }
  }

  TRAK
  {
    TKNM ("Track 1")
    TKIN (2)
    TKDS
    {
      FILE
      {
        VLTY ("HFS")
        VLNM ("b4028aef-2")
        DSNM ("14:Track2.trk")
      }
    }
  }
}

MKLS
{
  MARK
  {
    MKNB(1)
    MKPT(172800000)
    MKNM("Marker 1")
  }
  MARK
  {
    MKNB(2)
    MKPT(175680000)
    MKNM("Marker 2")
  }
}
#

```