



Digital Data Exchange Standard

Digital Sales Reporting Message Suite Standard — Flat File Profile (Version 1.0.1)

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1 Introduction

This standard was developed by the member organisations of the Digital Data Exchange, LLC (DDEX) and provides a message that give a uniform mechanism to enable Licensees (typically Digital Service Providers) to report to Licensors (typically Music Rights Societies and/or Record Companies) sales of Products based on Releases, as well as information regarding the revenue generated from the distribution of such Products, to the relevant Licensors of the Releases.

This standard defines the Flat File Profile of the Digital Sales Reporting Message Suite Standard (DSR). DDEX has developed, in parallel to this standard, two XML versions of the DSR Message Suite Standard, called the DSR Main and DSR Simple Profile. This flat file version can be seen as a subset of the Simple Profile which, in turn, is a subset of the Main Profile.

Any organisation wishing to implement this (or any other DDEX Standard) is required to apply for an Implementation Licence. The terms of the licence and an application form can be found at <http://www.ddex.net/implementation/form.html>

2 Scope

2.1 Introduction

The suite of messages contained in this Standard provides a mechanism for Licensees (typically Digital Service Providers, including Mobile Service Providers and Internet Service Providers (ISPs)) to report to Licensors (typically Music Rights Societies and/or Record Companies) Sales (as defined in Clause 4.1.5) of Products and/or to report information regarding the revenue generated from Selling Products based on electronic Releases containing Sound Recordings and/or Music Audio-Visual Recordings which embody Musical Works and/or other Resources.

The Flat File Profile is intended to provide an entry-level format for reporting of sales and usages of Releases and Resources. The Flat File Profile — other than the Main and Simple Profiles — does not utilise the XML syntax; instead, the sales report data is provided in a simple text file with each data record provided in a single line of text.

2.2 Organisation of the Document

This standard has six clauses and one annex. Clauses 1 to 4 provide an introduction to and a scope for this standard, a set of normative references and the definitions used herein. Clause 5 then gives an overview of the choreography envisaged for this standard before Clause 6 defines the Sales Reporting Message.

Finally, Annex A provides the allowed values that can be used within the Sales Reporting Message.

2.3 Release Notes (informative)

2.3.1 CHANGES BETWEEN VERSIONS 1.0 AND 1.0.1

Version 1.0.1 correct a few bugs from Version 1.0 and enables:

- Differentiating between a ReleaseTitle and a ResourceTitle in the Sales Record; and
- Providing “negative” sales in the NumberOfUnitAdjustments fields in the Sales Record.

3 Normative References

The following normative documents contain provisions, which through reference in this text constitute provisions of this Standard. For dated references, subsequent amendments to, or revisions of, any of these publications do not apply. For undated references, the latest version applies.

- DDEX-DICT: DDEX Data Dictionary Standard. Latest Version
- DDEX-DPID: DDEX Party Identifier (DPID) Standard. Latest Version
- DDEX-FTPX: DDEX Message Transfer using FTP. Latest Version
- IFPI: Global Release Identifier (GRid) Standard. Latest Version
- CISAC: Musical Work Licence Identifier (MWLI) Standard. Latest Version
- ISO 3166-1:1997 Codes for the representation of names of countries and their subdivisions - Part 1: Country codes
- ISO 3901:2001, Information and documentation – International Standard Recording Code (ISRC)
- ISO 4217:2001 Codes for the representation of currencies and funds
- ISO 7064:1983, Data Processing – Check Character Systems

4 Terms and Abbreviations

4.1 Terms and Definitions

For the purposes of this Standard, the following terms should be read as having the meanings specified here:

4.1.1 DIGITAL SERVICE PROVIDER

A Digital Service Provider (DSP), a Party making Releases available to Consumers or other DSPs over a public Telecom network. This includes MSPs (Mobile Service Providers) and ISPs (Internet Service Providers).

4.1.2 LICENSEE

A Party to whom permission to use a Creation (here: Musical Work, Sound Recording or Release) is granted in a License Agreement.

4.1.3 LICENSOR

An Agent granting permission to use a Creation (here: Musical Work, Sound Recording or Release) in a License Agreement.

4.1.4 MUSICAL WORK

A Musical Work is a Work whose expression is a combination of sounds, with or without accompanying words.

4.1.5 PRODUCT

A Manifestation of a Release which is made available to Consumers, by sale, loan or other means. The attributes of a Release in its digital Manifestation as a Product may be technical (for example, the codec or bit rate); a mode of distribution (for example, downloading or streaming); or a commercial term (for example, price).

4.1.6 RELEASE

An abstract entity representing a bundle of one or more digital Resources compiled by an issuer for the purpose of electronic distribution to individual Consumers, directly or through intermediaries. The Resources in Releases are normally primarily Sound Recordings or music audio-visual Recordings. The Release is not itself the item of trade (or “Product”). Products have more extensive attributes than Releases; one Release may be disseminated in many different Products.

4.1.7 RESOURCE

A digital Fixation of an expression of an abstract Work (such as a music Sound Recording, an Audio-Visual Recording, a Photograph, Software, a Graphic Image or a passage of Text).

4.1.8 SALE

Distribution of a Product to end consumers.

4.2 Abbreviations

DDEX	Digital Data Exchange
DSP	Digital Service Provider ¹
DSR	Digital Sales Reporting
DSRF	Digital Sales Reporting, Flat File Profile
DSRM	Digital Sales Reporting, Main Profile
DSRS	Digital Sales Reporting, Simple Profile
GRid	Global Release Identifier
ISO	International Organisation for Standardisation
MWLI	Musical Work Licence Identifier
MSP	Mobile Service Provider
XML	eXtensible Markup Language

5 Message Choreography

Figure 2 below shows the choreography of processes that the Flat File Profile of the Digital Sales Reporting Message Suite enables.

¹ Within this specification the term DSP includes MSPs.

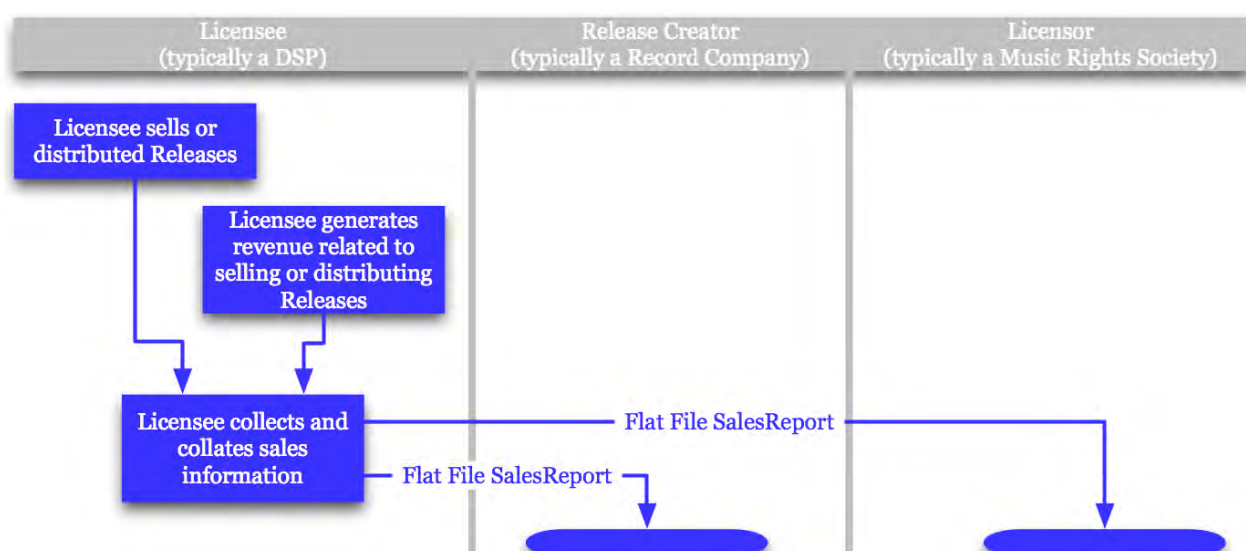


Figure 1 — Choreography of the Flat File Profile of the Digital Sales Reporting Message Suite

Table 1 below summarises the point in the relevant business processes when the message is sent. The table also indicates who sends the message to whom.

Table 1 — Messages in the Flat File Profile of the Digital Sales Reporting Message Suite

Message Name	Initiating Event	Sender	Recipient
1 Sales Report Message	Sale or distribution of Releases, and/or the generation of revenues related to the sale or distribution of Releases	Licensee, typically a DSP	Release Creator, typically a Record Company or Works Licensor (typically a Music Rights Society).

6 Message Definition

This Clause contains the specification for the message in the Flat File Profile of the Digital Sales Reporting Message Suite in a tabular form.

6.1 General Conformance Rules

6.1.1 ALLOWED VALUE LISTS

The allowed values are listed, defined and provided through the DDEX Data Dictionary Standard in accordance with the latest version of DDEX-DICT.

To allow user-defined values to augment or override a DDEX-defined value, the user-defined value shall be placed after the DDEX-defined value, separated by a single space character. An example for a UseType would be “PermanentDownload DrmProtected” where PermanentDownload is a DDEX-defined UseType and DrmProtected is a user-defined extension.

To override a DDEX-defined value, the allowed value “UserDefined” shall be used. Otherwise, the provided DDEX-defined value is augmented.

Such user-defined values will need to be agreed between sender and recipient of the DSRF message.

6.1.2 CONTRACTUALLY MANDATORY

The messages defined in this standard contain fields with cardinality “o-1” or “o-n”. Therefore these fields are from the standard’s point of view, optional. Such fields may, however, be mandatory when a DDEX message is sent in a specific commercial context.

In such circumstances, a message is deemed conformant only if and when it contains all the “contractually mandatory” fields as agreed by Message Sender and Message Recipient.

6.1.3 VERSION

The only valid value for this field is "2009/dsr-flat/10".

6.2 Message File Syntax

The Flat File Sales Report Message defined in this standard is a delimiter-separated values text file with the tab character as the delimiter.

- Each record is being placed into one line terminated by a line feed (ASCII/LF=0x0A) or a carriage return and line feed pair (ASCII/CRLF=0x0D 0x0A);
- Fields within a record are separated by tab characters (ASCII/TAB = 0x09);
- Fields with embedded tab characters are enclosed within double-quote characters²;
- Fields with leading or trailing spaces are enclosed within double-quote characters;
- Fields with embedded double-quote characters are enclosed within double-quote characters. Each of the embedded double-quote characters being represented by a pair of double-quote characters;
- Fields with embedded line breaks are enclosed within double-quote characters.

6.3 Empty cells

It is possible to leave cells empty. In that case, two tab characters shall follow each other with no character in-between. If one or more empty cells are the last cells in a record, the relevant tab characters can be omitted.

The semantics of an empty cell is determined by the commercial relationship between message sender and message recipient, unless defined specifically in this standard.

6.4 Character Coding

DSRF files can be provided in different character codings such as UTF-8 and UTF-16. If multiple byte characters are used, different byte orders are also possible.

The default is UTF-8. Business partners can agree a different character coding.

6.4.1 DSR FLAT FILE TRANSFER USING FTP

If the DDEX standard *DDEX Message Transfer using FTP* is used to transmit a Flat File DSR Message, the “UniqueMessageID” element of the file containing the DSRF message should be formed of three parts:

- The unique message ID, followed by
- An underscore character, followed by
- The string
 - “UTF-8” (if single byte characters are used);

² It is permissible to enclose *all* fields within double quotes.

- “UTF-16LE” (if double byte characters are used with little endian byte ordering); or
- “UTF-16BE” (if double byte characters are used with big endian byte ordering).

Other character codings can be flagged in the same way.

6.4.2 DETECTING CHARACTER CODING (INFORMATIVE)

The character coding can also be determined from the content of the file itself. This method depends on whether a header field name line (defined in 6.5.1.1) is present, empty or not present.

If the header field name line is *present with field names*, the first Characters have to be “MessageVersionId”. The first eight bytes of the file can be used to determine the character coding as follows:

Bytes found	Character coding used
4D 65 73 73 – 61 67 65 56	UTF-8
00 0A 00 4D – 00 65 00 73	UTF-16 with big-endian coding
0A 00 4D 00 – 65 00 73 00	UTF-16 with little-endian coding

If the header field name line is *present and empty*, the first characters need to be “2009/dsr-flat/10” immediately preceded by a CR/LF combination. The first eight bytes of the file can be used to determine the character coding as follows:

Bytes found	Character coding used
0A 4D 65 73 – 73 61 67 65	UTF-8 (lines separated by CR only)
0A 0D 4D 65 – 73 73 61 67	UTF-8 (lines separated by CR/LF)
00 0A 00 4D – 00 65 00 73	UTF-16 with big-endian coding
0A 00 4D 00 – 65 00 73 00	UTF-16 with little-endian coding

If the header field name line is *not present*, the first characters are “2009/dsr-flat/10”. The first eight bytes of the file can be used to determine the character coding as follows:

Bytes found	Character coding used
32 30 30 39 – 2F 63 73 72	UTF-8
00 32 00 30 – 00 30 00 39	UTF-16 with big-endian coding
32 00 30 00 – 30 00 39 00	UTF-16 with little-endian coding

6.5 Message Structure

6.5.1 OVERALL STRUCTURE

A Sales Report Message defined in this standard comprises the following sequence of records:

1. Exactly one line that lists the field names for the header record as defined in Clause 6.5.2;
2. Exactly one Header Record as defined in Clause 6.5.3;
3. Exactly one line that lists the field names for the sales records as defined in Clause 6.5.4;
4. At least one Sales Record as defined in Clause 6.5.5; and
5. Exactly one End-Of-File Indicator Line as defined in Clause 6.5.6.

6.5.2 HEADER RECORD FIELD NAME LINE

The header field line can either be empty or list the field names of the Header Record as defined in Clause 6.5.3.

6.5.3 HEADER RECORD

The Header Record contains the following information:

	Field Name	Description	Format
1	MessageVersion-Id	The Version of the Message as defined in Clause 6.1.3	Fixed string
2	MessageSender	The DDEX PartyID (DPID) of the MessageSender	DDEX Party ID
3	MessageRecipient	The DDEX PartyID (DPID) of the MessageRecipient	DDEX Party ID
4	MessageCreated-DateTime	The DateTime on which the Message was created (the only allowed format is ISO 8601:2004: YYYY-MM-DDThh:mm:ssTZD)	ISO 8601
5	MessageNotificationStartDate	The StartDate of the reporting Period covered by the Message (in ISO 8601:2004 format)	ISO 8601
6	MessageNotificationEndDate	The EndDate of the reporting Period covered by the Message (in ISO 8601:2004 format)	ISO 8601
7	UnitsSoldTotal	The total number of Releases that were sold/transacted during the reporting Period. This field reports those Releases, for which the MessageSender has an obligation to report sales/transactions to the MessageRecipient	Integer
8	TotalSalesFor-MarketShare-Calculation	The total number of Releases that were sold/transacted during the reporting Period (note: this field enables the MessageRecipient to calculate its market share)	Integer
9	CurrencyCode	The Currency in which the SalesTransactions are accounted (represented by an ISO 4217 CurrencyCode)	ISO 4217
10	NumberOf-SalesLines	Number of Sales Lines (as defined in Clause 6.5.5)	Integer
11	NumberOf-Subscribers	The NumberOfSubscribers for the DSP (applicable only where a Subscription Service is employed)	Integer
12	DspGross-Revenue	Gross Revenue of the DSP	Float
13	DspDeductions-Amount	The Amount deducted by the DSP from net Revenue	Float
14	TotalAmount-Payable	The calculated Total of AmountPayables in the CurrencyOfAccounting (as defined in item 8, CurrencyCode)	Float
15	Commercial-ModelType	The fundamental business model of the commercial offering made to the Consumer for which sales/transactions are reported (e.g. SubscriptionModel or PayAsYouGoModel)	Allowed-value set (see Annex A)

The fields with numbers 1–7, 9–10 and 14–15 are mandatory to be filled with valid values; the fields with numbers 8 and 11–13 may be Contractually Mandatory.

6.5.4 SALES RECORDS FIELD NAME LINE

The sales records field line can either be empty or list the field names of the Sales Record as defined in Clause 6.5.5.

6.5.5 SALES RECORDS

A Sales Record contains the following information:

	Field Name	Description	Format
1	DSP	The DDEX Party ID (DPID) of the DSP whose sales/transactions are being reported	DDEX Party ID
2	SalesDate	The date on which the sale/transaction took place	ISO 8601
3	ReleaseId	Identifiers for the Release or Resource whose sales/transactions are being reported.	String
		For each ID a prefix containing the type of the ID needs to be provided; prefix and ID are separated by a colon. Multiple IDs can be provided, separated by commas, e.g. "ISRC:1234, GRid:0987". Prefixes for proprietary Identifiers will need to be agreed by message sender and recipient.	
4	ReleaseTitle	Title(s) of the Release whose sales/transactions are being reported.	String
		Multiple titles can be provided by separating the individual titles with commas. (Only one of ReleaseTitle or ResourceTitle may be used in one SalesRecord.)	
5	ResourceTitle	Title(s) of the Resource whose sales/transactions are being reported. A ResourceTitle may only be provided when the sale is with respect to a TrackRelease.	String
		Multiple titles can be provided by separating the individual titles with commas. (Only one of ReleaseTitle or ResourceTitle may be used in one SalesRecord.)	
6	Contributors	Contributor(s) to the Release or Resource whose sales/transactions are being reported. This can be the name for presenting the artist to the Consumer.	String
		Multiple contributors can be provided by enclosing each Contributor into double quote characters and by separating the individual contributors with commas.	
7	NumberOfConsumerSalesGross	The number of units sold/transacted	Integer
8	NumberOfUnitAdjustments	The number of sold units of a Release returned (with refund) to the DSP as a result of a reversal of sales/transactions or because of an earlier error in sales reporting.	Integer
9	CurrencyCode	Currency of retail price (Note, if this is not provided, the header's CurrencyCode is used as the currency.)	ISO 4217

	Field Name	Description	Format
10	PriceConsumer-PaidExcSalesTax	The RetailPrice excluding value-added tax in the currency defined in CurrencyCode	Float
11	RoyaltyRate	The Rate of royalty to be used when calculating the royalty payment. Note that when this is used in a sales reporting Message for a record company, it refers to the rate due to the record company, not the royalties due to individual Artists.	Float
12	PriceRangeType	Type of Price according to its value range. Typical examples include "budget" and "front line".	String
13	UseType	The nature of a Service, or a Release, as used by a Consumer.	Allowed-value set (see Annex A)
14	UserInterface-Type	The type of physical interface by which a Consumer uses a Service or Release.	Allowed-value set (see Annex A)
15	Distribution-ChannelType	The type of distribution channel used to disseminate a Service or Release to a Consumer.	Allowed-value set (see Annex A)
16	ReleaseType	The Type of the Release according to its content, Duration and/or number of components. Note: a ReleaseType is the form in which a ReleaseCreator anticipates offering a Release to Consumers.	Allowed-value set (see Annex A)
17	TerritoryCode	The Territory for which the sale/transaction is reported	ISO 3166-1

The fields with numbers 1, 3, 7, 13 and 17 are mandatory to be filled with valid values; the fields with numbers 2, 4—6, 8—12 and 14—16 may be Contractually Mandatory.

6.5.6 END-OF-FILE INDICATOR LINE

The end-of file indicator line contains the words “END OF FILE” in capital letters.

Annex A (normative)

Allowed-Value Sets

Table 2 lists all allowed value sets with their allowed values and definitions that are valid within this standard. Note, that the table below does not contain the allowed value sets for Territory Codes and Currency Codes as these are codes maintained by Registration Authorities under the auspices of the International Organisation for Standardisation ISO:

- For a list of ISO Territory Codes please visit
<http://www.iso.org/iso/country_codes/iso_3166_code_lists/english_country_names_and_code_elements.htm> and note that DDEX adds one code “Worldwide” with the semantics “A Place including all Territories on Earth”; and
- For a list of ISO Currency Codes please visit
<http://www.iso.org/iso/support/faqs/faqs_widely_used_standards/widely_used_standards_other/currency_codes/currency_codes_list-1.htm> (DDEX uses the alphabetic code).

The mechanism to override and/or augment these values is described in Clause 6.1.1

Table 2 — Allowed-Value-Sets used in the Flat File Profile of the DSR Message Suite Standards

Allowed-value set with its allowed values	Definition
CommercialModelType	A Type of CommercialModel (e.g. SubscriptionModel and PayAsYouGoModel). The CommercialModelType indicates how a Consumer pays for a Service or Release.
AdvertisementSupportedModel	A CommercialModel where the Service or Product offering is financed by revenue generated from the sale of advertising.
AsPerContract	A Type of an Entity used when a MessageSender wishes to indicate that the value within the allowed value set is defined by the contractual relationship between MessageSender and MessageRecipient.
FreeOfChargeModel	A CommercialModel in which a Resource, Release or Product is made available free of charge to Consumers.
PayAsYouGoModel	A CommercialModel where the Service or Product offering is financed by revenue generated from payment (set at any level but not zero) for each Usage which the Customer makes of the Service or Product.
SubscriptionModel	A CommercialModel where the Service or Product offering is financed by revenue generated from a Customer Subscription.
Unknown	A Type of an Entity used when a sender of a DdexMessage wishes to indicate that the value within the allowed value set is unknown.
UserDefined	A Type of an Entity which is defined by a sender of a DdexMessage in a manner acceptable to its recipient.
DistributionChannelType	A Type of DistributionChannel used to disseminate a Service or Release to a Consumer.
AsPerContract	A Type of an Entity used when a MessageSender wishes to indicate that the value within the allowed value set is defined by the contractual relationship between MessageSender and MessageRecipient.
Cable	A DistributionChannel in which Releases are transmitted via a cable network as used by, e.g., Cable TV providers.
IPTV	A DistributionChannel in which Releases are transmitted via Internet Protocol Television networks.
Internet	A DistributionChannel in which Releases are transmitted via the

Allowed-value set with its allowed values	Definition
InternetAndMobile	Internet. A DistributionChannel in which Releases are transmitted via either Internet or MobileTelephone. This is often referred to as dual delivery.
MobileTelephone	A wireless DistributionChannel in which Releases are transmitted via mobile telephony networks, including 1G, 2G, 2.5G and 3G networks.
OnDemandStream	To Stream a Release with full interactivity.
PeerToPeer	A DistributionChannel in which Releases are transmitted via computer networks that rely primarily on the computing power and bandwidth of the participants in the network rather than concentrating on a relatively low number of servers.
Physical	Distribution of Releases via physical Carriers, such as CDs.
Satellite	DistributionChannel in which Releases are transmitted via Satellites.
Unknown	A Type of an Entity used when a sender of a DdexMessage wishes to indicate that the value within the allowed value set is unknown.
UserDefined	A Type of an Entity which is defined by a sender of a DdexMessage in a manner acceptable to its recipient.
ReleaseType	A Type of Release according to its content, Duration and/or number of components. Note: a ReleaseType is the form in which a ReleaseCreator anticipates offering a Release to Consumers.
AdvertisementVideo	A Video created for specifically to promote another Video, embodying a MusicalWork.
Album	A Release that is a digital equivalent of a physical SoundCarrier of an extended Duration, typically containing multiple Tracks of SoundRecordings. It may also contain bonus Resources.
AlertToneRelease	A Release containing a Resource for use as an AlertTone primarily on MobileTelephones.
Animation	An audio-visual Recording using a rapid display of a sequence of images of 2-D or 3-D artwork or model positions in order to create an illusion of movement.
AsPerContract	A Type of an Entity used when a MessageSender wishes to indicate that the value within the allowed value set is defined by the contractual relationship between MessageSender and MessageRecipient.
AudioClipRelease	A Release predominantly containing excerpts from SoundRecordings.
BackCoverImageRelease	A Release containing an Image Resource that, in the physical equivalent Product, is a back cover image.
BookletBackImageRelease	A Release containing an Image Resource that, in the physical equivalent Product, is a back image of a booklet.
BookletFrontImageRelease	A Release containing an Image Resource that, in the physical equivalent Product, is a front image of a booklet.
BookletRelease	A Release containing an Image Resource that, in the physical equivalent Product, is a booklet.
Bundle	A Release comprising more than one Resource of different ResourceTypes. Bundles are typically used in electronic distribution.
ConcertVideo	A Video recording of a live Performance, usually of music, before an audience.
CorporateFilm	An audio-visual Recording made for use within a corporate entity. Examples include company-internal training videos.
DocumentImageRelease	A Release containing an Image Resource that, in the physical equivalent Product, is a document.
Documentary	An audio-visual Recording that presents a social, political, scientific or historical subject. Documentaries include current affairs programmes, TV magazines, biographies and making of programs.
EBookRelease	A Release typically for use as an EBook.
Episode	A Part of a Series made available at a specific point in time. It may be that a Season or Series is not yet complete when an Episode is made available. Episodes include pilots.

Allowed-value set with its allowed values	Definition
FeatureFilm	An audio-visual Recording made for initial distribution in cinemas, where it would be the main attraction of the screening, or prime-time television.
FrontCoverImageRelease	A Release containing an Image Resource that, in the physical equivalent Product, is a front cover image.
IconRelease	A Release containing an Image Resource, that is typically used as pictogram in graphical user interfaces, to represent the Release or a Resource or Party related to the Release, and which can be selected to perform a function.
InfomercialVideo	A Video created for specifically to promote another Video, embodying a MusicalWork.
InteractiveBookletRelease	A Release typically for use as an InteractiveBooklet.
KaraokeRelease	A Release typically for use in Karaoke applications.
LiveEventVideo	An audio-visual Recording capturing an Event such as a sporting event, theatrical performances, etc.
LogoRelease	A Release containing an Image Resource, that is typically used as a logo to represent parties associated with the Release.
LongFormMusicalWorkVideoRelease	A Release containing typically one or more LongFormMusicalWorkVideo Resources.
LongFormNonMusicalWorkVideoRelease	A Release containing typically one or more LongFormNonMusicalWorkVideo Resources.
LyricSheetRelease	A Release containing typically one or more lyric sheet Resources.
MusicalWorkBasedGameRelease	A Release containing typically one or more MusicalWorkBasedGame Resources.
MusicalWorkClipRelease	A Release containing typically one or more MusicalWorkClip Resources.
MusicalWorkReadalongVideoRelease	A Release containing typically one or more MusicalWorkReadalongVideo Resources.
MusicalWorkTrailerRelease	A Release containing typically one or more MusicalWorkTrailer Resources.
MusicalWorkVideoChapterRelease	A Release containing typically one or more MusicalWorkVideoChapter Resources.
News	An audio-visual Recording, usually regularly scheduled, which reports current events.
NonMusicalWorkBasedGameRelease	A Release containing typically one or more NonMusicalWorkBasedGame Resources.
NonMusicalWorkClipRelease	A Release containing typically one or more NonMusicalWorkClip Resources.
NonMusicalWorkReadalongVideoRelease	A Release containing typically one or more NonMusicalWorkReadalongVideo Resources.
NonMusicalWorkTrailerRelease	A Release containing typically one or more NonMusicalWorkTrailer Resources.
NonMusicalWorkVideoChapterRelease	A Release containing typically one or more NonMusicalWorkVideoChapter Resources.
NonSerialAudioVisualRecording	An audio-visual Recording that is not part of a Series or Season.
PhotographRelease	A Release containing typically one or more Photograph Image Resources.
RingbackToneRelease	A Release containing a Resource for use as an Ringbacktone primarily on MobileTelephones.
RingtoneRelease	A Release containing a Resource for use as an Ringtone primarily on MobileTelephones.
ScreensaverRelease	A Release containing a Resource for use as a Screensaver.
Season	A Set of Episodes. Typically, a Season contains all Episodes to be made available in a pre-determined time frame, which often is within a twelve-month period. It may be that a Series is not yet complete when an Season is made available.

Allowed-value set with its allowed values	Definition
Series	A Set of Resources (Episodes) designed to be made available sequentially.
SheetMusicRelease	A Release containing typically one or more Resources representing sheet music.
ShortFormMusicalWorkVideoRelease	A Release containing typically one or more ShortFormMusicalWorkVideo Resources.
ShortFormNonMusicalWorkVideoRelease	A Release containing typically one or more ShortFormNonMusicalWorkVideo Resources.
Single	A Release with a short total Duration, typically containing one or two Tracks of SoundRecordings.
SingleResourceRelease	A Release containing a single Resource.
TrackRelease	A Release containing normally one SoundRecording.
TrailerVideo	A Video created for specifically to promote another Video, embodying a MusicalWork.
TrayImageRelease	A Release containing an Image Resource that, in the physical equivalent Product, is a TrayImage.
Unknown	A Type of an Entity used when a sender of a DdexMessage wishes to indicate that the value within the allowed value set is unknown.
UserDefined	A Type of an Entity which is defined by a sender of a DdexMessage in a manner acceptable to its recipient.
VideoChapterRelease	A Release containing typically one or more LongFormNonMusicalWorkVideo Resources.
VideoClipRelease	A Release predominantly containing excerpts from Videos.
VideoScreenCaptureRelease	A Release containing typically one or more VideoScreenCapture Image Resources.
VideoSingle	A Release with a short total Duration, typically containing one or two ShortFormVideos.
WallpaperRelease	A Release containing a Resource for use as a Wallpaper.
TerritoryCode	A code representing a Territory. This includes ISO 3166-1 two-letter codes plus a code for Worldwide.
Worldwide	A Place including all Territories on Earth.
UseType	A Type of a nature of a Service, or a Release, as used by a Consumer.
AsPerContract	A Type of an Entity used when a MessageSender wishes to indicate that the value within the allowed value set is defined by the contractual relationship between MessageSender and MessageRecipient.
ConditionalDownload	To Download under a condition (e.g. tethered to a service or device).
ContentInfluencedStream	To Stream where the only interactivity provided allows the Consumer to start, stop, pause, fast forward and rewind the Stream, and where there is limited flexibility to influence the content of the Stream.
Display	To display a Resource on a device where it will disappear when the device is switched off.
Download	To transfer a Release from a Service's Computer to a Consumer's Computer for later consumption.
Narrowcast	To Deliver a Resource to a specific list of recipients, by terrestrial or satellite transmission.
NonInteractiveStream	To Stream a Release as part of a scheduled program that has been a-priori arranged. Consumers cannot directly influence the content or order of a NonInteractiveStream. NonInteractiveStreams are often referred to as web casts or pre-programmed Streams.
OnDemandStream	To Stream a Release with full interactivity.
PermanentDownload	To Download for permanent storage and subsequent consumption by the Consumer.
PlayInPublic	To play a Resource in a Release publicly.
Podcast	To Deliver a series of Resources as a download via web syndication.
Print	To Copy a Resource on paper or on another permanent Medium where it can be seen.

Allowed-value set with its allowed values	Definition
Rent	To allow access to a Release for a limited Period of Time.
TimeInfluencedStream	To Stream where the only interactivity provided allows the Consumer to start, stop, pause, fast forward and rewind the Stream.
Unknown	A Type of an Entity used when a sender of a DdexMessage wishes to indicate that the value within the allowed value set is unknown.
UseAsAlertTone	To use a Resource in a Release as an alert primarily on a MobileTelephone for an event other than an incoming phone call. Examples: an incoming text message or a new voice mail.
UseAsKaraoke	The use of a Release for a form of entertainment in which an amateur singer or singers sing along with recorded music on microphone.
UseAsRingbackTone	To Use a Resource in a Release as the audible ringing that is heard primarily on a MobileTelephone by the calling party after dialing and prior to the call being answered at the receiving end.
UseAsRingtone	To use a Resource in a Release as an alert for an incoming phone call primarily on a MobileTelephone.
UseAsScreensaver	To use a Resource in a Release as a screen saver for an idling device.
UserDefined	A Type of an Entity which is defined by a sender of a DdexMessage in a manner acceptable to its recipient.
UserMakeAvailableLabelProvided	A UseType in which Consumers use a Release as part of their own Creation (e.g. a web site) only when the Release is provided by the ReleaseCreator to the service provider (e.g. the web site hosting company) and where the ReleaseCreator has stipulated to the service provider the ways in which the Release may be used by Consumers and these stipulations are conveyed to Consumers.
UserMakeAvailableUserProvided	A UseType in which Consumers use a Release as part of their own Creation (e.g. a web site) when the Release is not provided by the ReleaseCreator to the service provider (e.g. the web site hosting company) but by the Consumer or by other Consumers making the Release available through the service provider.
Webcast	To Deliver a Resource over the Internet using streaming technology.
UserInterfaceType	A Type of physical interface by which a Consumer uses a Service or Release.
AsPerContract	A Type of an Entity used when a MessageSender wishes to indicate that the value within the allowed value set is defined by the contractual relationship between MessageSender and MessageRecipient.
ConnectedDevice	A device for interacting with Releases that is directly connected to the Internet. This includes set-top boxes.
GameConsole	An interactive entertainment Computer or electronic device with the primary function to manipulate the video display signal of a display device (a television, monitor, etc.) to display a game.
Jukebox	A device for playing back audio and/or audio-visual Resources in a defined public location on demand by an individual Consumer usually following payment.
KaraokeMachine	A device for Karaoke applications.
Kiosk	A device in a fixed physical location for vending Resources chosen by an individual Consumer usually upon payment onto a physical Carrier.
LocalStorageJukebox	A Jukebox where the Releases are stored locally.
PersonalComputer	A small Computer based on a microprocessor. In addition to the microprocessor, a PersonalComputer has a keyboard for entering data, a monitor for displaying information, speakers for producing sound and a storage device for saving data. A PersonalComputer may be a desktop or laptop, and it may run a variety of OperatingSystems.
PhysicalMediaWriter	A device that can be used to transfer Resources to physical media such as CD-ROMs, DVDs or flash memory.

Allowed-value set with its allowed values	Definition
PortableDevice	A small, portable device with many of the features of a laptop PersonalComputer, which is also or primarily designed for storing, organizing and playing Resources.
RemoteStorageJukebox	A Jukebox where the Releases are stored remotely and are accessed during play-back.
Unknown	A Type of an Entity used when a sender of a DdexMessage wishes to indicate that the value within the allowed value set is unknown.
UserDefined	A Type of an Entity which is defined by a sender of a DdexMessage in a manner acceptable to its recipient.