

Business Message Standard (BMS)

for

**Align_Trade Item_ Entertain-
ment_Music Recording**

(Process/Sub-process/Industry and/or Product/Geopolitical)

BRG: Align (GDSN)

Version: 0.0.6

Date: 17.11.2005

(dd.mm.ccy example 27.10.2004)



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BRAD Date: 21.06.2005
BRAD Version: 0.0.7

BRAD Title:
BRAD Date:
BRAD Version:

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Date of Change	Version	Changed By	Reason for Change	Summary of Change	Model Build #
27.07.2005	0.0.1	Brian Bennett	Initial Draft		
10.10.2005	0.0.2	Eric Kauz	Development Review	<ul style="list-style-type: none">Updated GDD Report For contentDescriptor.Updated multiplicity of contentDescriptor to 0..*Corrected Code List Value for CONDUCTOR_	

				CHOIR_MASTE R	
20.10.2005	0.0.3	Eric Kauz	Stop Gap	<ul style="list-style-type: none"> Made isDigital-DownLoad Available and pararentalAdvi-soryStickerCode Optional as per BRAD 	
17.11.2005	0.0.4	Brian Bennett	Comment Resolution	<ul style="list-style-type: none"> Updated GDD for consistency 	
08.12.2005	0.0.5	Brian Bennett	Comment Resolution	<ul style="list-style-type: none"> Updated GDD for consistency 	
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Business Solution

1.1 Business Domain View

1.1.1 Problem Statement / Business Need

The Entertainment Industry Requirements Team has reviewed the existing Trade Item Data Model and compared those attributes to current business process requirements for their industry. Industry unique materials and processes exist which require additional attributes to completely and properly convey the data supporting current business processes in this industry as well as facilitate participation on the Global Data Synchronization Network. This document both defines and describes those additional attributes that have been identified as necessary to support current Entertainment industry business requirements. This includes new attributes and new data validation rules. This document is for an extension specifically for music recordings.

1.1.2 Objective

To supply the detail design of the (specific) business transaction needed to meet the requirements of the referenced BRAD.

The North American Entertainment industry has begun the process of data synchronization and these implementations necessitate the changes and additions to the EAN.UCC standards as documented to support these efforts. The objective is to create a business message standard supporting communication of trade item data attributes for the Entertainment industry.

1.1.3 Audience

The audience of the standards would be any participant in the global supply chain specifically the Entertainment Industry. This would include carriers, and their customers and partners.

1.1.4 Artefacts

Artefact name	State	Artefact / State description
Business Requirements Version 0.0.1 Date 20040803	Completed	Business Requirements Item Attribute Requirements Entertainment Industry Sector

1.1.5 References

Reference Name	Description
EAN.UCC System	
GSMP Manual	
Object Management Group	
W3C	
UPC 300	
National Association of Recording Merchandisers (NARM)	

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1.1.6 Acknowledgements

1.1.6.1 BRG Members

Function	Name	Company / organisation
BRG Co Chair	Jim Funk	S.C Johnson, Inc
BRG Co Chair	Perla Zepeda	Proctor & Gamble (MX)
BRG Co Chair	Vic Hansen	Unilever (UK)
BRG Member	Patricia Vessey	Best Buy

1.1.6.2 ITRG Members

Function	Name	Company / organisation
ITRG Chair		
ITRG Member		
ITRG Member		
ITRG Member		
...		

1.1.6.3 Task/Project Group Participants (*where applicable*)

Function	Name	Company / organisation
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Participant	Joanie Wallace	20th Century Fox
Participant	John Herbert	20th Century Fox
Participant	Jose Gomez	Activision
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Participant	Vivian Underwood	Anderson Merchandisers
Participant	Steve Bakker	Baker & Taylor
Participant	Donna Ahron	Best Buy
Participant	Kishore Kumar	Best Buy
Participant	Patricia Vessey	Best Buy
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Participant	Carol Pirsztuk	Columbia Tri-Star
Participant	Gary Aubin	Columbia Tri-Star
Participant	Mike Thielen	Columbia Tri-Star
Participant	Neil Soon	Columbia Tri-Star
Participant	Suzanne Tamargo	Columbia Tri-Star
Participant	Myrna Castillo	Columbia Tri-Star
Participant	Jacob Ahmu	EMI
Participant	Julie Wan	EMI/NA
Participant	Jim James	Handleman Company
Participant	Lois Taylor	Handleman Company
Participant	Bruce Hamblin	Internet Commerce Corporation
Participant	Warner Music	Julio Del Rio
Participant	Michelle Chen	Memorex
Participant	Eric Jacobsen	MGM
Participant	Jay Ou	MGM
Participant	Renee Fedak	MGM
Participant	Roberta Delia	MGM
Participant	Vicki Smith	MGM
Participant	Richard Langford	Movie Gallery

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Participant	Debbie Itamura	Paramount Pictures
Participant	Edmund DaSilveira	Paramount Pictures
Participant	Kathy Scheid	Paramount Pictures
Participant	Winnie Leung	Paramount Pictures
Participant	Tim Meester	Toys R Us
Participant	Linda Leighton	Universal Studios
Participant	David Almada	Universal Studios
Participant	Karen Mika	Universal Studios
Participant	Hugh Lynch	Ventura
Participant	Mark Paulsen	Ventura
Participant	Tim Hennesy	Ventura
Participant	Bo Anderson	VSDA
Participant	Mark Fisher	VSDA
Participant	Bruce Hawkins	Wal-Mart Stores
Participant	Garrett Gauthier	Warner Home Video
Participant	Pat Riley	Warner Home Video
Participant	Isadora Tran	Warner Music
Participant	Pamelyn Smith	Warner Music
Participant	Haris Kamal	WorldWide Retail Exchange
Participant	Nick Parnaby	WorldWide Retail Exchange
Participant	W. Grant Kille	WorldWide Retail Exchange

1.1.6.4 Design Team Members

Function	Name	Organisation
Modeller	Brian Bennett	GS1
XML Technical Designer		
EANCOM Technical Designer		
Peer Reviewer	Eric Kauz	GS1

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1.2 Business Context

(Note: The business context of the business)

Context Category	Value(s)
Industry	Entertainment
Geopolitical	All
Product	Music Recordings
Process	Align_Trade Item
System Capabilities	EAN.UCC
Official Constraints	None

1.3 Additional Technical Requirements Analysis

1.3.1 Technical Requirements (optional)

(User Interface, Security, Performance, Quality, etc.)

Number	Statement	Rationale

1.4 Business Transaction View

1.4.1 Business Transaction Use Case Diagram

1.4.2 Use Case Description

Not Applicable.

1.4.3 Business Transaction Activity Diagram(s)

None

1.4.4 Business Transaction Sequence Diagram(s) (optional)

None

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1.5 Information Model (including GDD Report)

1.5.1 Data Description:

Class (ABIE)	Attribute (BBIE)	Association (ASBIE)	Secondary Class	Related Requirements
EntertainmentProductDescription				
	mediaFormatCode			[ref1]{7.1-14}
	productGenre			[ref1]{7.1-10}
	productLine			[ref1]{7.1-9}
MusicRecordingContentInformation				
	discNumber			[ref1]{7.1-22}
		None	MusicRecordingTrackInformation	
MusicRecordingPersonnelInformation				
	artistName			[ref1]{7.1-6}
	artistRole			[ref1]{7.1-6}
MusicRecordingTrackInformation				
	trackNumber			[ref1]{7.1-23}
	trackTime			[ref1]{7.1-25}
	trackTitle			[ref1]{7.1-24}
		None	MusicRecordingPersonnelInformation	
MusicRecordingTradeItemExtension				
	collectionName			[ref1]{7.1-5}
	contentDescriptor			[ref1]{7.1-11}
	digitalizationLevelCode			[ref1]{7.1-2}
	firstEditionDate			[ref1]{7.1-7}
	isDigitalDownloadAvailable			[ref1]{7.1-15}
	labelName			[ref1]{7.1-8}
	lastManufacturerUpdateDateTime			[ref1]{7.1-21}
	musicPublicationTitle			[ref1]{7.1-1}
	parentalAdvisoryStickerCode			[ref1]{7.1-12}
	recordingType			[ref1]{7.1-3}
	targetAudience			[ref1]{7.1-4}
		None	EntertainmentProductDescription	
		None	MusicRecordingContentInformation	
		None	MusicRecordingPersonnelInformation	

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		None	MusicRecordingTradeItemPrice	
		None	OrderableReturnableInformation	
		preferredTradeItem	TradeItemIdentification	
		minimumAdvertisedPrice	TradeItemPriceDateInformation	
MusicRecordingTradeItemPrice				
	bulkPrice			[ref1]{7.1-19}
	cardPriceCode			[ref1]{7.1-18}
	loosePrice			[ref1]{7.1-20}
OrderableReturnableInformation				
	lastReturnableDateTime			[ref1]{7.1-17}
	orderableReturnableConditionsCode			[ref1]{7.1-16}

1.5.2 GDD Report :

Class (ABIE)	Attribute (BBIE)	Association (ASBIE)	Secondary Class	Official Dictionary Entry Name	Definition	Multiplicity
EntertainmentProductDescription				Entertainment Product Description. Details	None	
	mediaFormatCode			Entertainment Product Description. Media Format Code. Code Value_ Text	The code that identifies the type of media on which the piece of music is recorded and played.	1..*
	productGenre			Entertainment Product Description. Product Genre. Text	The code of the genre of music trade item. The genre is a categorization of the music trade item	1..*

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					based upon the content and maintained for marketing and merchandising purposes.	
	productLine			Entertainment Product Description. Product Line. Text	The name of the product line that the trade item belongs to. A product line is a price grouping.	0..*
MusicRecordingContentInformation				Music Recording Content Information. Details	Logical grouping of information relating to the content of a particular recording in the music industry.	
	discNumber			Music Recording Content Information. Disc Number. Integer_Numeric	The number allocated to a disc, beginning with 1	1..1
		None	MusicRecordingTrackInformation	Music Recording Content Information. Association. Music Recording Track Information	None	0..*

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MusicRecordingArtistInformation				Music Re-cording Artist Information. Details	Logical grouping of information related to the personnel information for the music recording industry	
	artistName			Music Re-cording Artist Information. Artist_ Name. Text	The name of the recording artist.	1..1
	artistRole			Music Re-cording Artist Information. Artist Role. Code	Definition of the role the artist played in the music publication.	1..1
MusicRecordingTrackInformation				Music Re-cording Track Information. Details	Logical grouping of track information relating to the music re-cording industry.	
	trackNumber			Music Re-cording Track Information. Track Number. Integer_ Numeric	The number allocated to a track on a disc, from 1 upwards.	1..1
	trackTime			Music Re-cording Track Information. Track Time. Time Qualifier_ Code	The length of the track expressed in hours and minutes and seconds.	1..1

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	trackTitle			Music Re- cording Track Information. Track Title. Text	The name of the piece of music or part of the piece of music of the track.	1..1
		None	MusicRecordingArtistInformation	Music Re- cording Track Information. Association. Music Re- cording Artist Information	None	0..*
MusicRecordingTradeItemExtension				Music Re- cording Trade Item Extension. Details	None	
	collectionName			Music Re- cording Trade Item Extension. Collection_ Name. Text	The name of a series of music publications grouped under a common theme. The name of the collection is printed on the package of the trade item.	0..1
	contentDescriptor			Music Re- cording Trade Item Extension. Content Descriptor. Text	A code that identifies one or several elements in a music publication that may be of interest or concern.	0..*
	digitalizationLevelCode			Music Re-	A code that indi-	0..1

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				cording Trade Item Extension. Digitalization Level Code. Text	cates the way a record was produced. Three stages are involved in production: recording, editing/mixing and dubbing/transfer. Recording and editing/mixing stages can be analogue or digital. If digital, the stage is coded D. If analogue, the stage is coded A. "ADD" means that the recording was analogue and the editing/mixing was digital.	
	firstEditionDate			Music Recording Trade Item Extension. First Edition Date. Date Format_ Code	The date on which a music publication is first edited.	0..1
	isDigitalDownloadAvailable			Music Recording Trade Item Extension. Is Digi-	A boolean that indicates if the piece of music is available in digi-	0..1

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				tal Download Available. Indicator	tal download format or not.	
	labelName			Music Re-cording Trade Item Extension. Label Name. Text	The name of the company (called label in the music industry) that made the music publication.	1..*
	lastManufacturerUpdateDateTime			Music Re-cording Trade Item Extension. Last Manufacturer Update Date Time. Date Time	The last date (including time) on which the manufacturer has made a change to the trade item.	1..1
	musicPublicationTitle			Music Re-cording Trade Item Extension. Music Publication Title. Text	The name of a piece of music or of a music publication.	1..1
	parentalAdvisoryStickerCode			Music Re-cording Trade Item Extension. Parental Advisory Sticker Code. Code	Indication of the presence of parental advisory sticker.	0..1
	recordingType			Music Re-cording Trade Item Extension. Re-	A text description that indicates the conditions in which	0..1

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				cording Type. Text	the recording took place.	
	targetAudience			Music Re- cording Trade Item Exten- sion. Target Audience. Text	A description of the recom- mended audi- ence of the mu- sic publication.	0..1
		None	EntertainmentProductDescription	Music Re- cording Trade Item Exten- sion. Associa- tion. Enter- tainment Product De- scription	None	1..1
		None	MusicRecordingContentInformation	Music Re- cording Trade Item Exten- sion. Associa- tion. Music Recording Content In- formation	None	0..*
		None	MusicRecordingArtistInformation	Music Re- cording Trade Item Exten- sion. Associa- tion. Music Recording Artist Infor- mation	None	0..*
		None	MusicRecordingTradeItemPrice	Music Re- cording Trade	None	0..1

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				Item Extension. Association. Music Recording Trade Item Price		
		None	OrderableReturnableInformation	Music Recording Trade Item Extension. Association. Orderable Returnable Information	None	1..1
		preferredTradeItem	TradeItemIdentification	Music Recording Trade Item Extension. Preferred Trade Item_ Association. Trade Item Identification	The identification of the consumer unit that is the preferred variant for a title.	0..1
		minimumAdvertisedPrice	TradeItemPriceDateInformation	Music Recording Trade Item Extension. Minimum Advertised Price_ Association. Trade Item Price	The minimum consumer price (amount) at which the trade item may be advertised.	0..1
MusicRecordingTradeItemPrice				Music Recording Trade Item Price.	Logical Grouping of trade item price details in	

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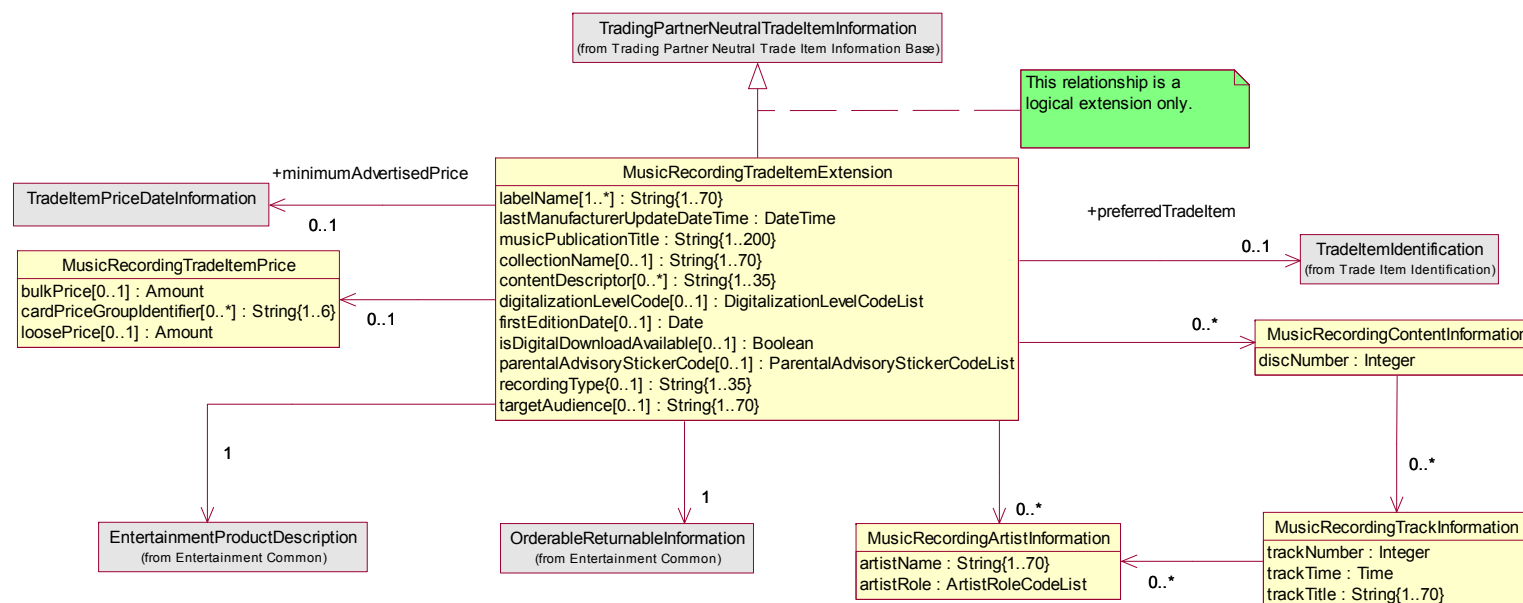
				Details	the music re- cording industry.	
	bulkPrice			Music Re- cording Trade Item Price. Bulk_ Price. Amount	The amount of money for which the trade item is bought or sold when buying or selling a stan- dard configura- tion.	0..1
	cardPriceGroupIdentifier			Music Re- cording Trade Item Price. Card Price Group Identifi- er. Code Value_ Text	A code that iden- tifies a price.	0..*
	loosePrice			Music Re- cording Trade Item Price. Loose_ Price. Amount	The amount of money for which the trade item is bought or sold when buying or selling individual units that are not in a standard configuration.	0..1
OrderableReturnableInformation				Orderable Returnable Information. Details	Logical Grouping of Orderable Returnable In- formation	
	lastReturnableDateTime			Orderable Returnable Information. Last_ Return-	The last date AND time when a non sold trade item must be	0..1

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				able Date Time. Date Time	received by the manufacturer to receive credit.	
	orderableReturnableConditionsCode			Orderable Returnable Information. Orderable_ Returnable Conditions Code. Code	A code that indi- cates if the trade item can be ordered and returned if non- sold.	1..1

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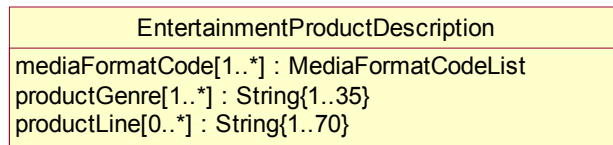
1.5.3 Class Diagrams



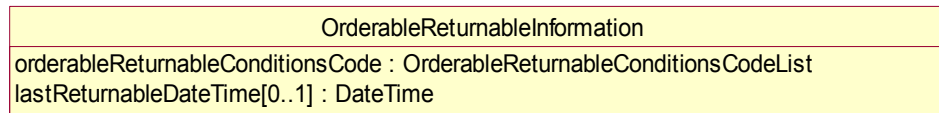
Note The relationship between the extension and the Trading Partner Neutral Trade Item Information class is logical only and does not designate the physical location of the extension tag in the Schema. This relationship states that, logically, the information contained in the extension belongs with other Trading Partner Neutral Trade Item Information such as packaging marking and item dimensions. The physical placement of the extension tag is a technical decision as long as it allows the implementers to relate the extensions to a specific trade item.

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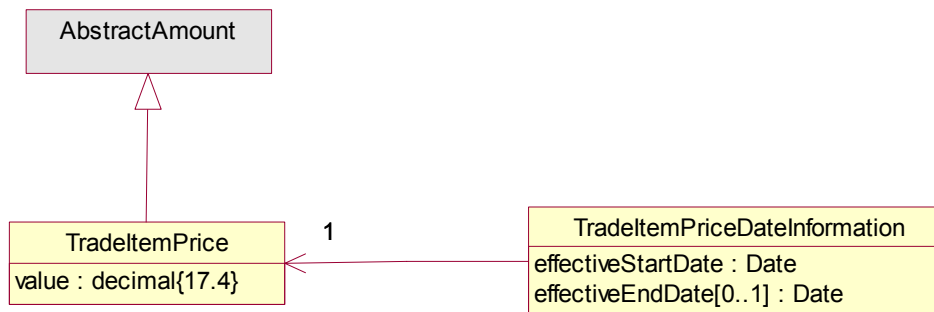
1.5.3.1 Entertainment Product Description



1.5.3.2 Orderable Returnable Information



1.5.3.3 Trade Item Price Date Information



1.5.4 Code Lists

Code List Name	Code List Description
Artist Role Code List	A code that indicates the type of artist named in the artist-Name attribute.
Code Name	Code Description
COMPOSER	Party who writes a written piece of music.
CONDUCTOR_CHOIR_MASTER	The person who leads a musical ensemble.
SINGER	Party that that sings on a music recording.
INSTRUMENT_PLAYER	A player of a musical instrument on a music recording.
ORCHESTRA	The group of musicians organized to perform the ensemble music piece.

Code List Name	Code List Description
Digitalization Level Code List	A code that indicates the way a record was produced. Three stages are involved in production: recording, editing/mixing and dubbing/transfer. Recording and editing/mixing stages can be analogue or digital. If digital, the stage is coded D. If analogue, the stage is coded A. "ADD" means that the recording was analogue and the editing/mixing was digital.
Code Name	Code Description
AAD	The record was produced as follows: Recording = analogue, editing/mixing = analogue dubbing/transfer = digital.
ADD	The record was produced as follows: Recording = analogue, editing/mixing = digital dubbing/transfer = digital.
DDD	The record was produced as follows: Recording = digital, editing/mixing = digital dubbing/transfer = digital.

Code List Name	Code List Description
Orderable Returnable Conditions Code List	Code that indicates if the trade item can be ordered and returned if non-sold.
Code Name	Code Description
ACTIVE	The trade item is an orderable unit and is returnable if not sold;
CUTOUT	The trade item is not an orderable unit and is returnable if not sold;
DELETED	The trade item is not an orderable unit and not returnable if not sold;

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HOLD	The trade item is temporarily unavailable but still returnable
------	--

Code List Name	Code List Description
Parental Advisory Sticker Code List	To indicate if a parental advisory sticker is attached or not to the trade item.
Code Name	Code Description
YES	
NO	
UNSPECIFIED	

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Code List Name	Code List Description
Media Format Code List	The code that identifies the type of media on which the piece of music is recorded and played.
Code Name	Code Description
LP_FULL_LENGTH	
DCC_FULL_LENGTH	
CD_FULL_LENGTH	
DAT_FULL_LENGTH	
CASSETTE_FULL_LENGTH	
MINI_DISC_FULL_LENGTH	
SACD	
MAXI_CD	
DATAPLAY	
7_INCH_VINYL_SINGLE	
12_INCH_VINYL_SINGLE	
CASSETTE_SINGLE	
MAXI_CASSETTE_SINGLE	
3_INCH_CD_SINGLE	
5_INCH_CD_SINGLE	
DVD	
DVD_AUDIO	
VHS	
BETA	
8_MM	
LASERDISC	
5_INCH_CDV	
CD_ROM_INTERACTIVE	
CD_PLUS_GRAPHICS	
AUDIO_BLANK_TAPE	
VIDEO_BLANK_TAPE	
CD_DVD_VIDEO	
CD_DVD_AUDIO	
DC_SACD	
HD_DVD	

1.6 Business Document Example

1.7 Implementation Considerations

Trade Item Measurement Rules

CubiScan^R 30

The music and film publishing industries have a long history of utilizing a specific measurement orientation for CDs and DVDs. The method of measurement and orientation of these trade items has been incorporated into a measurement tool manufactured by Quan-

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tronix, Inc. The tool is called CubiScan[®] 30. **This tool has emerged as a standard for these industries and is consistent with the National Association of Recording Merchandisers (NARM) method of measurement.**

In this measurement system, the dimensional measurements of CDs and DVDs are derived as follows:

The trade item is laid flat in the upper left corner of the CubiScan[®] 30, with the spine along the left edge of the CubiScan[®] 30, and the front of the CD or DVD facing up.

NARM Height = Thickness

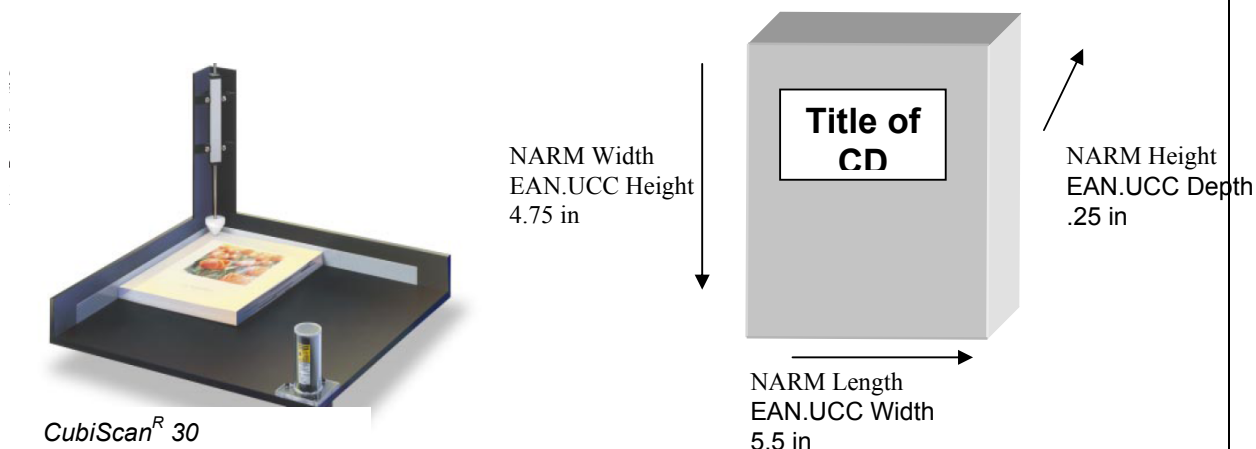
NARM Length = Bottom left to bottom right

NARM Width = Top left to bottom left

The information providers are expected to populate the appropriate EAN.UCC dimensional attributes per the chart below. Standard measurements for CDs and DVDs:

CubiScan [®] 30	EAN.UCC	CD	DVD
NARM Height	Depth	.25 in	.375 in
NARM Width	Height	4.75 in	5.375 in
NARM Length	Width	5.50 in	7.000 in

The illustrations below show how the product is oriented and measured:



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Peg Hole Measurements

Please use the following method for populating peg hole information for those trade items for which the packaging has more than one peg hole (this example is for a package with two peg holes):

Attribute	Value
Peg Hole Number	1
Peg Horizontal and UOM	1 in
Peg Vertical and UOM	2 in
Peg Hole Number	2
Peg Horizontal and UOM	4 in
Peg Vertical and UOM	2 in

Horizontal measurement is from left edge to the centre of the hole

Vertical measurement is from the top to the center of the hole

Note: While the EAN.UCC standard was revised to identify that a package may have more than one peg hole, at this time it incorrectly prohibits multiple iterations of these attributes. A request has been submitted to Align Data to consider an errata revision to correct this in the published standard.

Attributes contained in the current EAN.UCC standard

The entertainment industry requirements team requested the attributes listed in the table below. Upon further analysis, it was determined these attributes already exist in the current EAN.UCC standard. The following conversion table should be used for implementation:

Entertainment Attribute	EAN.UCC Attribute
Units per Set	Net Content
Carton Lot Quantity	Quantity of Next Lower Level Trade Item (contained in the Case GTIN record)
Sale Street Date	Consumer Availability Date
One Way Indicator	Is Non Sold Trade item Returnable
Primary Packaging Description	Packaging Type Description <ul style="list-style-type: none">This attribute can be repeated with multiple valuesSee industry code list in Appendix B
Secondary Packaging Description	

Status Code (OrderableReturnableConditionsCode)

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Attribute	Value	
Status Code	Active	
Is Trade Item Orderable	TRUE	
Is Non Sold Trade Item Returnable	TRUE	
Returnable Trade Item End Date	CCYYMMDD	
Status Code	Cutout	
Is Trade Item Orderable	FALSE	
Is Non Sold Trade Item Returnable	TRUE	
Returnable Trade Item End Date	CCYYMMDD	
Status Code	Deleted	
Is Trade Item Orderable	FALSE	
Is Non Sold Trade Item Returnable	FALSE	
Returnable Trade Item End Date	CCYYMMDD	
Status Code	Hold	Hold
Is Trade Item Orderable	TRUE	FALSE
Is Non Sold Trade Item Returnable	FALSE	FALSE
Returnable Trade Item End Date	CCYYMMDD	CCYYMMDD

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1.7.1 External Code Lists

Code List Name	Code List Description
Genre Codes	The code of the genre of music trade item. The genre is a categorization of the music trade item based upon the content and maintained for marketing and merchandising purposes.
Code Name	Code Description
ADULT_CONTEMPORARY	
BLUES	
CHILDREN	
CHRISTMAS	
CLASSICAL	
COUNTRY	
ETHNIC	
FOLK	
HARD_ROCK	
INSTRUMENTAL	
JAZZ	
LATIN	
LATIN_POP	
MEXICAN	
NEW_AGE	
ORIGINAL_CAST_SOUNDTRACKS	
RELIGIOUS	
SEASONAL	
SOFT_ROCK	
SPOKEN_WORD	
TEJANO	
TROPICAL	
URBAN	

Code List Name	Code List Description
Content descriptor codes	A code that identifies one or several elements in a music publication that may be of interest or concern.
Code Name	Code Description
EL	Explicit Lyrics

Code List Name	Code List Description
Packaging Description	
Code Name	Code Description
2_PACKS	
3_PACKS	
4_PACKS	

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5_PACKS	
AMARAY	
BELLY_BAND	
BEVELOPE	
BLACK_VINYL_MOVIE_BOX	
BLISTER_PACK	
BOOK_STYLE_SLEEVE	
BOX_SET	(box with 2 or more CDs, DVDs, etc)
BRILLIANT_BOX	
BULLET_CASE	
CLAMSHELL	
CLEAR_DIGIPACK	
CLEAR_MASTER_BOX_PACK	
CUSTOM_PACKAGE	
DIGIPAK	
DOUBLE_AMARAY_CASE	
DOUBLE_DIGIPACK	
DOUBLE_LONG_BOX	
DOUBLE_SLEEVE	
DOUBLE_WIDTH_2_CD_JEWEL_BOX	
DVD_TRAY	(FLP snapper)
FLIP_CASE	
FOLIO_3_PACK	
GATEFOLD_DIGIPACK	
GIFT_BOX	
JEWEL_CASE	
JEWEL_CASE_WITH_O_CARD	
LONG_BOX	
MODIFIED_CLAM	
MOVIE_BOX	
NONE	(for bulk shipments)
PLUSH_GIFT_SET	
SHRINKWRAP	
SLEEVE	
SLIPCASE	
SLIPSLEEVE	
SNAPCASE	
SPINDLE	
TIN	(treasures)
WYNCASE	
ON_PACK	

Business Solution Design

	Code List Name	Code List Description
	Trade Item Rating Agency (titleRatingAgency)	
Code	Code Description	Comments
BBFC	British Board of Film Classification	Theatrical - United Kingdom
BC	British Columbia	Theatrical - British Columbia, Canada
ESRB	Entertainment Software Rating Board	Software - U.S.
FCA	Film Censorship Authority	Theatrical - Hong Kong
FCO	Film Censor's Office	Theatrical - Ireland
FMO	France Ministry of Culture	Theatrical - France
MPAA	The Motion Picture Association of America	Theatrical - U.S.
OFCS	Office of Film and Literature Classification	Theatrical - New Zealand
OFLC	Australian Office of Film and Literature Classification	Theatrical - Australia
OFRB	Ontario Film Review Board	Theatrical - Ontario, Canada

Business Solution Design

1.8 Testing

1.8.1 Pass / Fail Criteria

Unit testing criteria for business solution.

Number	Test Criteria	Related Requirement	Design Element	Pass Criteria	Fail Criteria
1					
2					
3					

1.8.2 Test Data

Attribute	Value
mediaFormatCode	MAXI_CD
productGenre	CHILDRENS
parentalAdvisoryStickerCode	NO
CollectionName	B's Best
musicPublicationTitle	B Sings the Classics
labelName	Tots Tunes
artistName	B
artistRole	SINGER
digitalizationLevelCode	DDD
isDigitalDownloadAvailable	False
lastManufacturerUpdateDateItem	2005-01-10T12:00:01.000
performanceType	Live
targetAudience	Children Ages 3 to 5
discNumber	1
trackNumber	1
trackTime	3:20
trackTitle	This Old Man
orderableReturnableConditionsCode	CUTOUT

Business Solution Design

1.9 Appendices

1.10 Summary of Changes

(Details changes to BMS for each version by BMS Section)

Change	BMS Ver- sion	Associated CR Number
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XML Technical Solution

This section provides the specifications for the standards content ITRG approves. It is called the Technical Solution Design (TSD).

The Technical Solution Design contains:

- TSD Zip file Table of Contents
- Business Message Standard Section Technical Level GDD Report
- XSD (XML Schema Documents)
- XML Instance File and HTML Form View (XML and HTML files containing sample data specified in Section 1.6)

In the process of approving the Technical Solution Design, the ITRG will be provided the following artefacts:

- Any relevant Business Requirements Analysis Document (BRAD)
- Any relevant Business Requirements Document (BRD)
- Section 1 of Business Message Standard (Business Solution Design)
- Comment Resolution Template from Technical Public Review
- XML Test Report
- Change Request
- Other informative or reference documents