

Business Message Standard (BMS)

for

Data Alignment for Film publications

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

BRG: Align (GDSN)

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(dd.mm.cyy example 27.10.2004)



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10-10-2005	0.0.2	Eric Kauz	Development Review	Harmonized abbreviation of Dolby in Audio Sound Type Code List.	
20-10-2005	0.0.3	Eric Kauz	Stop Gap	Changed cardinality of closedCaptioningCode and dvdRegionCode to 0..1 as per requirements.	
17-11-2005	0.0.4	Brian Bennett	Comment Resolution	Updated per Comment Resolution Spreadsheet	
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Business Solution

1.1 Business Domain View

1.1.1 Problem Statement / Business Need

The Entertainment Industry 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.

1.1.2 Objective

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.

The solution consists of adding new attributes to the existing models.

The North American Entertainment industry has begun the process of data synchronization.

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

1.1.5 References

Reference Name	Description
Business Requirement for Entertainment Item vertical BRW v0.0.1 Dated 08/30/2004	Attachment to CR 04-174.

1.1.6 Acknowledgements

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1.1.6.1 BRG Members

Function	Name	Company / organisation
BRG Chair	Jim Funk	S.C. JOHNSON & SON, INC.
BRG Chair	Vic Hansen	UNLIVER – LEVER FABERGE LTD.
BRG Chair	Eduardo Tovar	PROCTER & GAMBLE COMPANY
BRG Member	Javier Arias	GS1 SPAIN
BRG Member	Neale Austen	EAN AUSTRALIA
BRG Member	Michael Bammer	CVS PHARMACY, INC.
BRG Member	Giovanni Biffi	IAC – EAN COLOMBIA
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BRG Member	Benjamin Couty	GS1 FRANCE
BRG Member	MaryAnn Goodrich	UNILVER HOME & PERSONAL CARE NA
BRG Member	Hideki Ichihara	EAN JAPAN
BRG Member	Nancy Laskero	SEARS, ROEBUCK AND CO
BRG Member	Hanjoerg Lerch	METRO GROUP BUYING GMBH
BRG Member	Markus Mathar	SINFOS GMBH
BRG Member	Roberto Matsubayashi	EAN BRASIL
BRG Member	Alistair McArthur	ALLIED DOMEQ SPIRITS & WINE LTD
BRG Member	Michael Moise	NESTLE AG
BRG Member	Olivier Mouton	CARREFOUR
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BRG Member	Paul Povey	PROCTER & GAMBLE COMPANY
BRG Member	Rebecca Quigley	COCA-COLA BOTTLERS SALES AND SERVICES
BRG Member	Julie Rodriguez	LEVI STRAUSS & CO
BRG Member	Joy Schneck	GENERAL MILLS, INC.
BRG Member	Peggy Spofford	3M COMPANY
BRG Member	Steve Vazzano	TRANSORA
BRG Member	Lionel Tussau	GEORGIA-PACIFIC CORPORATION
BRG Member	Patricia Vessey	BEST BUY COMPANY, INC.
BRG Member	Marcel Yska	AHOLD NV
BRG Member	Greg Zwanziger	SUPERVALU, INC.

1.1.6.2 ITRG Members

Function	Name	Company / organisation
----------	------	------------------------

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ITRG Chair		
ITRG Member		
ITRG Member		
ITRG Member		

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

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Participant	John Herbert	20th Century Fox
Participant	Jose Gomez	Activision
Participant	Keith Small	Activision
Participant	Vivian Underwood	Anderson Merchandisers
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Participant	Donna Ahron	Best Buy
Participant	Kishore Kumar	Best Buy
Participant	Patricia Vessey	Best Buy
Participant	Teresa Gordon	Buena Vista Home Entertainment
Participant	Carol Pirsztuk	Columbia Tri-Star
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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
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

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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
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GDD		
Process Manager	Aurélie Virgili	GS1 France

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1.2 Business Context

(Note: The business context of the business)

Context Category	Value(s)
Industry	Entertainment
Geopolitical	All
Product	Film Publication
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

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1.4 Business Transaction View

1.4.1 Business Transaction Use Case Diagram

1.4.2 Use Case Description

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 Requirement
AspectRatioInformation				
	aspectRatioDescriptionCode			[ref1] {7.1-33}
	aspectRatioDimensionCode			[ref1] {7.1-34}
DubbedSubtitledInformation				
	dubbedLanguage			[ref1] {7.1-29}
	dubbedSubtitledCode			[ref1] {7.1-30}
	subTitledLanguage			[ref1] {7.1-31}
EntertainmentProductDescription				
	mediaFormatCode			[ref1] {7.1-15}
	productGenre			[ref1] {7.1-10}
	productLine			[ref1] {7.1-9}
FilmLanguageInformation				
	closedCaptioningCode			[ref1] {7.1-32}
	originalLanguage			[ref1] {7.1-20}
		None	DubbedSubtitledInformation	
FilmPersonnelInformation				
	directorName			[ref1] {7.1-3}
	recordingArtistName			[ref1] {7.1-2}
	talentName			
	writerName			
		None	Producer	
FilmPublicationCharacteristicsInformation				
	audioSoundTypeCode			[ref1] {7.1-35}
	awardInformation			[ref1] {7.1-41}

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	dvdRegionCode			[ref1] {7.1-16}
	featureRunTimeMinutes			[ref1] {7.1-36}
	filmColourCode			[ref1] {7.1-17}
	filmEdition			[ref1] {7.1-40}
	longSynopsis			[ref1] {7.1-37}
	shortSynopsis			[ref1] {7.1-38}
	specialFeatures			[ref1] {7.1-39}
FilmPublicationDateInformation				
	cinemaReleaseDateTime			[ref1] {7.1-25}
	lastManufacturerUpdateDateTime			[ref1] {7.1-23}
	payPerViewWindow			[ref1] {7.1-27}
	rentalStreetDateTime			[ref1] {7.1-26}
	rereleaseDateTime			[ref1] {7.1-28}
	yearOfProduction			[ref1] {7.1-24}
FilmPublicationTradeItemExtension				
	filmPublicationTitle			[ref1] {7.1-1}
	mediaType			[ref1] {7.1-15}
	studioName			[ref1] {7.1-8}
		None	AspectRatioInformation	
		None	EntertainmentProductDescription	
		None	EntertainmentTradeItemPrice	
		None	FilmLanguageInformation	
		None	FilmPersonnelInformation	
		None	FilmPublicationCharacteristicsInformation	
		None	FilmPublicationDateInformation	
		None	FilmRevenueInformation	
		None	OrderableReturnableInformation	
		None	PublicationTitleRating	

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		preferredTradeItem	TradeItemIdentification	[ref1] {7.1-14}
		minimumAdvertised-Price	TradeItemPriceDateInformation	[ref1] {7.1-47}
FilmRevenueInformation				
	boxOfficeRevenueDomestic			[ref1] {7.1-44}
	boxOfficeRevenueFirstWeekDomestic			[ref1] {7.1-46}
	boxOfficeRevenueUS			[ref1] {7.1-42}
	boxOfficeRevenueWorldwideUSDollars			[ref1] {7.1-43}
	isEligibleForRevenueShare			[ref1] {7.1-45}
Producer				
	producerName			[ref1] {7.1-5} [ref1] {7.1-6}
	producerTypeCode			[ref1] {7.1-5} [ref1] {7.1-6}

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1.5.2 GDD Report :

Class (ABIE)	Attribute (BBIE)	Association (ASBIE)	Secondary Class	Official Dictionary Entry Name	Definition	Multiplicity
AspectRatioInformation				Aspect Ratio Information. Details	Logical grouping of attributes related to aspect ratio.	
	aspectRatioDescriptionCode			Aspect Ratio Information. Aspect Ratio_ Description Code. Code	A code that indicates the aspect ratio dimension.	1..1
	aspectRatioDimensionCode			Aspect Ratio Information. Aspect Ratio_ Dimension Code. Code	A code that indicates the aspect ratio dimension.	1..1
DubbedSubtitledInformation				Dubbed Subtitled Information. Details	Logical grouping of subtitle information.	
	dubbedLanguage			Dubbed Subtitled Information. Dubbed_ Language. ISO639_ Code	A code that identifies the dubbed language of a film.	0..*
	dubbedSubtitledCode			Dubbed Subtitled Information. Dubbed_ SubtitledCode. Code	A code that indicates if the film is dubbed, subtitled or dubbed and subtitled. Subtitled = the film has caption translating dialogue. Dubbed = The film has a translated alternative soundtrack. Dubbed and subtitled = the film has caption to translate dialogue and a translated soundtrack.	1..1
	subTitledLanguage			Dubbed Subtitled Information. Sub Titled_ Language. ISO639_ Code	A code that identifies the subtitled language of a film.	0..*
EntertainmentProductDescription				Entertainment Product Description. De-	None	

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				tails		
	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 based upon the content and maintained for marketing and merchandising purposes.	1..*
	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..*
FilmLanguageInformation				Film Language Information. Details	Logical Grouping of Information relating to the language of a film.	
	closedCaptioningCode			Film Language Information. Closed_ CaptioningCode. Code	A code that indicates if the film has closed captions, no closed captions or if this information is unknown.	0..1
	originalLanguage			Film Language Information. Original_ Language. ISO639_ Code	The code of the language in which the film is released. It is the language spoken on the screen.	0..1
		None	DubbedSubtitledInformation	Film Language Information. Association. Dubbed Subtitled Information	None	0..1
FilmPersonnelInformation				Film Personnel Information. Details	Logical Grouping of production staff and actors of a film.	

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	directorName			Film Personnel Information. Director_ Name. Text	The name (first name and last name) of the person who directed the film.	1..*
	recordingArtistName			Film Personnel Information. Recording Artist_ Name. Text	The name of a person or group of persons who was involved in the recording of the music of the film as performer or writer.	0..*
	talentName			Film Personnel Information. Talent_ Name. Text	The name (first name and last name) of a person who is a talent in a film.	0..*
	writerName			Film Personnel Information. Writer_ Name. Text	The name of the person who wrote the film or the screenplay.	0..*
		None	Producer	Film Personnel Information. Association. Producer	None	0..*
FilmPublicationCharacteristicsInformation				Film Publication Characteristics Information. Details	Logical grouping of attributes related to specific characteristics of a given film.	
	audioSoundTypeCode			Film Publication Characteristics Information. Audio_ Sound Type Code. Code	A code that indicates the type of audio sound available on the film trade item.	0..*
	awardInformation			Film Publication Characteristics Information. Award_ Information. Text	A text that describes the awards a film won.	0..*
	dvdRegionCode			Film Publication Characteristics Information. Dvd_ Region Code. Code	A code that identifies the region in which the DVD will be sold. Only DVDs and DVD players with matching codes will work unless the DVD player has been "de-zoned".	0..1
	featureRunTimeMinutes			Film Publication	The length of a film expressed in	0..1

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				Characteristics Information. Feature_ Run Time Minutes. Integer_ Numeric	minutes.	
	filmColourCode			Film Publication Characteristics Information. Film_ Colour Code. Code	A code that indicates the colour system used in a film publication.	0..*
	filmEdition			Film Publication Characteristics Information. Film_ Edition. Language_ Text	A text that describes the edition of the film.	0..1
	longSynopsis			Film Publication Characteristics Information. Long_ Synopsis. Text	An extended text that describes the plot of a film.	0..1
	shortSynopsis			Film Publication Characteristics Information. Short_ Synopsis. Text	A short text that describes the plot of a film	0..1
	specialFeatures			Film Publication Characteristics Information. Special_ Features. Text	A text that describes the contents of the trade item in terms of special features. This is not related to a specific disk.	0..*
FilmPublicationDateInformation				Film Publication Date Information. Details	Logical grouping of attributes relating to the date of publication of a film.	
	cinemaReleaseDateTime			Film Publication Date Information. Cinema Release_ DateTime. Date Time	The date (including time) when the film was released in cinemas.	0..*
	lastManufacturerUpdate-DateTime			Film Publication Date Informa-	The last date (including time) on which the manufacturer has made	1..1

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				tion. Last Manufacturer Update_ DateTime. Date Time	a change to the trade item.	
	payPerViewWindow			Film Publication Date Information. Pay Per View_ Window. Integer_ Numeric	The number of days of the pay per view window. The pay per view window is the timeframe when a film is available as pay per view on a cable TV channel.	0..1
	rentalStreetDateTime			Film Publication Date Information. Rental Street_ DateTime. Date Time	The date including time when the trade item can be rented for the first time.	0..1
	rereleaseDateTime			Film Publication Date Information. Rerelease_ DateTime. Date Time	The date (including time) on which the trade item is re-released (using the same GTIN).	0..1
	yearOfProduction			Film Publication Date Information. Year Of Production. Year_ Text	The year during which the film was produced.	0..1
FilmPublicationTradeItemExtension				Film Publication Trade Item Extension. Details	Base Class for FilmPublication-TradeItemExtension	
	filmPublicationTitle			Film Publication Trade Item Extension. Film_ Publication Title. Text	The name of a film.	1..1
	studioName			Film Publication Trade Item Extension. Studio_ Name. Text	The name of the company (called studio in the film industry) that made the film publication	1..1
		None	AspectRatioIn-	Film Publication	None	0..*

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			formation	Trade Item Extension. Association. Aspect Ratio Information		
		None	Entertainment-ProductDescription	Film Publication Trade Item Extension. Association. Entertainment Product Description	None	1..1
		None	Entertainment-TradeItemPrice	Film Publication Trade Item Extension. Association. Entertainment Trade Item Price	None	0..1
		None	FilmLanguageInformation	Film Publication Trade Item Extension. Association. Film Language Information	None	0..1
		None	FilmPersonnelInformation	Film Publication Trade Item Extension. Association. Film Personnel Information	None	1..1
		None	FilmPublication-Characteristic-Information	Film Publication Trade Item Extension. Association. Film Publication Characteristics Information	None	0..1
		None	FilmPublication-DateInformation	Film Publication Trade Item Extension. Association. Film Publication Date Information	None	1..1

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		None	FilmRevenueInformation	Film Publication Trade Item Extension. Association. Film Revenue Information	None	1..1
		None	OrderableReturnableInformation	Film Publication Trade Item Extension. Association. Orderable Returnable Information	None	1..1
		None	PublicationTitleRating	Film Publication Trade Item Extension. Association. Publication Title Rating	None	0..*
		preferredTradeItem	TradeItemIdentification	Film Publication 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	Film Publication 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
FilmRevenueInformation				Film Revenue Information. Details	Logical grouping of attributes relating to the revenue of a film.	
	boxOfficeRevenueDomestic			Film Revenue Information. Domestic Box Office Revenue. Amount	The revenue the film earned on the target market expressed in local currency.	0..1

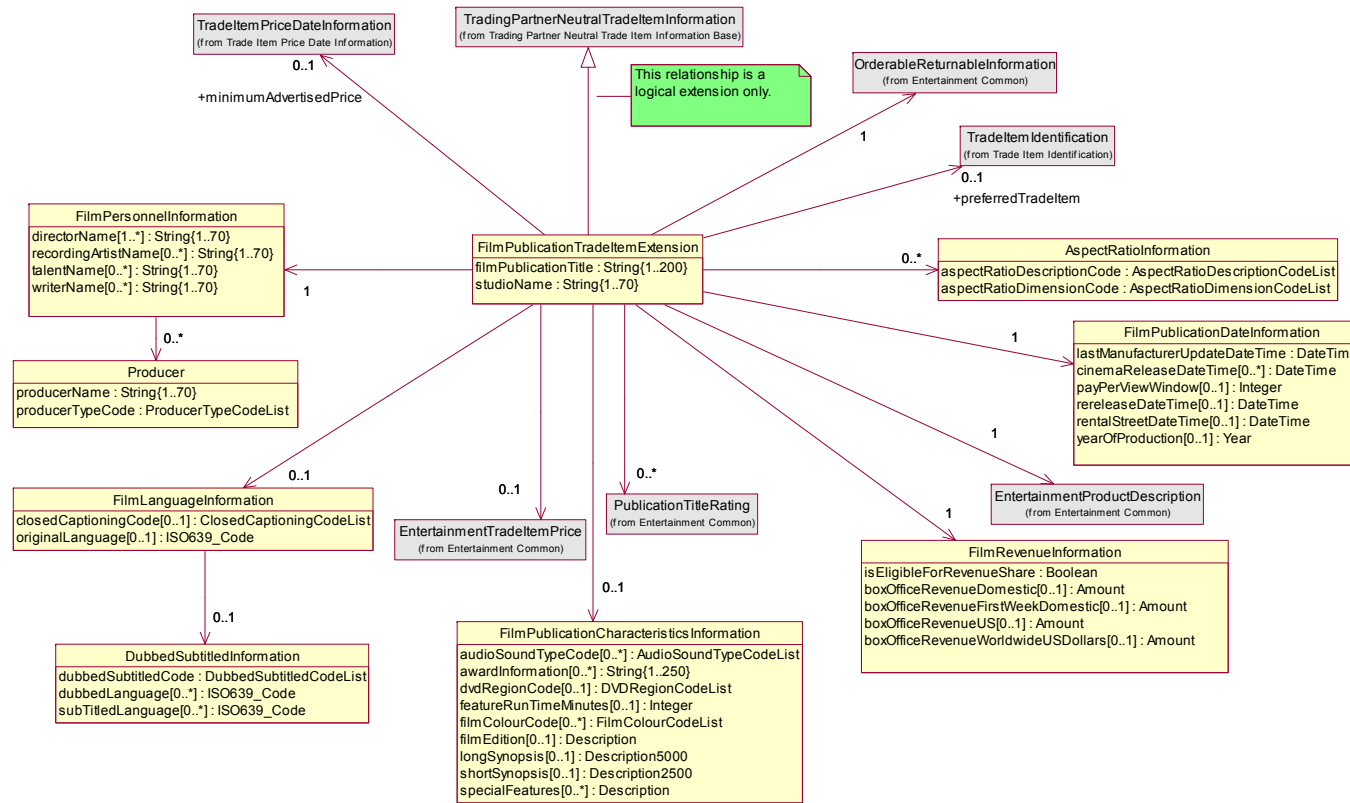
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	boxOfficeRevenue-FirstWeekDomestic			Film Revenue Information. First Week Domestic_ Box Office Revenue. Amount	The revenue the film earned on the target market for the first week expressed in local currency.	0..1
	boxOfficeRevenueUS			Film Revenue Information. US_ Box Office Revenue. Amount	The revenue the film earned on the US market expressed in US dollars.	0..1
	boxOfficeRevenueWorldwideUSDollars			Film Revenue Information. Worldwide US Dollars_ Box Office Revenue. Amount	The revenue the film earned on all the markets expressed in US dollars.the revenue the film earned on all the markets expressed in US dollars.	0..1
	isEligibleForRevenueShare			Film Revenue Information. Is Eligible For_ Revenue Share. Indicator	A boolean that indicates if the film is available for revenue share or not.	1..1
Producer				Producer. Details	Grouping of producer information for a particular film.	
	producerName			Producer. Producer_ Name. Text	The name (first name and last name) of the person who was the executive producer of a film. ORThe name (first name and last name) of a person who was the assistant producer of a film. A producer is the person who supervises the production of a film.	1..1
	producerTypeCode			Producer. Producer_ Type Code. Code	Determines type of producer.	1..1

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1.5.3 Class Diagrams

1.5.3.1 Film Publication Trade Item Description



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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.

1.5.3.2 Entertainment Product Description

EntertainmentProductDescription
mediaFormatCode[1..*] : MediaFormatCodeList productGenre[1..*] : String{1..35} productLine[0..*] : String{1..70}

1.5.3.3 Entertainment Trade Item Price

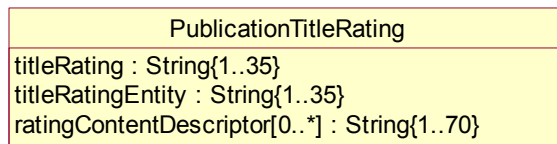
EntertainmentTradeItemPrice
bulkPrice[0..1] : Amount loosePrice[0..1] : Amount

1.5.3.4 Orderable Returnable Information

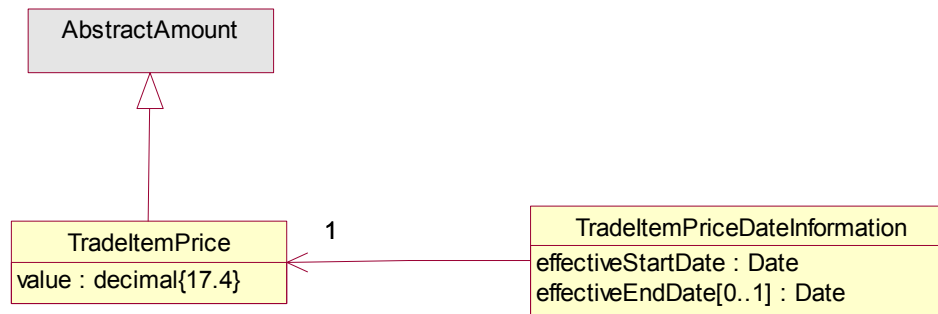
OrderableReturnableInformation
orderableReturnableConditionsCode : OrderableReturnableConditionsCodeList lastReturnableDateTime[0..1] : DateTime

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1.5.3.5 Publication Title Rating



1.5.3.6 Trade Item Price Date Information



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1.5.4 Code Lists

Code List Name	Code List Description
Aspect Ratio Description Code List	
Code Name	Code Description
ANAMORPHIC	
FULLSCREEN	
FULLSCREEN_WIDESCREEN	
ANAMORPHIC_FULLSCREEN	
WIDESCREEN	

Code List Name	Code List Description
Aspect Ratio Dimension Code List	A code that indicates the aspect ratio dimension.
Code Name	Code Description
1_33	
1_33_2_40	
1_33_1_85	
1_33_2_35	
1_55	
1_66	
1_77	
1_78	
1_85	
2_20	
2_35	
1_85_2_33	
2_40	
2_55	

Code List Name	Code List Description
Audio Sound Type Code List	A code that indicates the type of audio sound available on the film trade item.
Code Name	Code Description
BETA_HIFI	
BETA_HIFI_DOLBY_SURROUND_SOUND	
BETA_HIFI_M_C_D_SURROUND_SOUND	
BETA_HIFI_STEREO_DIGITAL_MAST	
BETA_HIFI_STEREO_DIGITAL_REC	
BETA_HIFI_STEREO_M_C	
DIGITALLY_MASTERED	
DIGITALLY_RECORDED	
DOLBY_DIGITAL_5_0	
DOLBY_DIGITAL_5_0_DSS	
DOLBY_DIGITAL_5_1	
DOLBY_DIGITAL_5_1_DSS	
DOLBY_DIGITAL_5_1_DTS	

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DOLBY_MPMTRX_HIFI	
DOLBY_MPMTRX_STEREO	
DOLBY_STEREO	
DOLBY_STEREO_4_0	
DOLBY_STEREO_HIFI	
DVD_DOLBY_SURROUND_SOUND	
LASER_DOLBY_SURROUND_SOUND	
MONO	
MONO_HIFI	
STEREO	
STEREO_HIFI	
ULTRA_SOUND	
ULTRA_STEREO	
VHS_DOLBY_STEREO_D_M	
VHS_DOLBY_STEREO_D_R	
VHS_HIFI	
VHS_HIFI_DOLBY_SURROUND_SOUND	
VHS_HIFI_M_C_D_SURROUND_SOUND	
VHS_HIFI_STEREO_D_M	
VHS_HIFI_STEREO_D_R	
VHS_HIFI_STEREO_D_STRO_D_M	
VHS_HIFI_STEREO_D_STRO_D_R	
VHS_HIFI_STEREO_D_SYS_D_M	
VHS_HIFI_STEREO_D_SYS_D_R	
VHS_HIFI_STEREO_DOLBY_STRO_M_C	
VHS_HIFI_STEREO_DOLBY_SYS_M_C	
VHS_HIFI_STEREO_M_C	

Code List Name	Code List Description
Closed Captioning Code List	Code that indicates if the film has closed captions, no closed captions or if this information is unknown.
Code Name	Code Description
CLOSED_CAPTIONS	
NO_CLOSED_CAPTIONS	
UNKNOWN	

Code List Name	Code List Description
Dubbed Subtitled Code List	A code that indicates if the film is dubbed, subtitled or dubbed and subtitled.
Code Name	Code Description
DUBBED	
SUBTITLED	
DUBBED_AND_SUBTITLED	

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Code List Name	Code List Description
DVD Region Code List	A code that identifies the region in which the DVD will be sold.
Code Name	Code Description
1	U.S., Canada, U.S. Territories
2	Europe, Middle East, Japan, South Africa
3	South Korea, Taiwan, Hong Kong, ASEAN
4	Australia, New Zealand, Latin America
5	Ex Soviet Union, Indian subcontinent, Africa
6	China
7	Reserved
8	International territory (airplanes, cruise ships, etc.)
0	Uncoded

Code List Name	Code List Description
Film Colour Code List	A code that indicates the colour system used in a film publication.
Code Name	Code Description
BLACK_AND_WHITE	
COLOUR	
COLOURIZED	

Code List Name	Code List Description
Media Format Code List	The code that identifies the type of media on which the film 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	

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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	

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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;
HOLD	The trade item is temporarily unavailable but still returnable

Code List Name	Code List Description
Producer Type Code List	A code that indicates the type of producer.
Code Name	Code Description
EXECUTIVE	
ASSISTANT	

Business Solution Design

1.6 Business Document Example

1.7 Implementation Considerations

Trade Item Measurement Rules

CubiScan[®] 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 Quantronix, 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

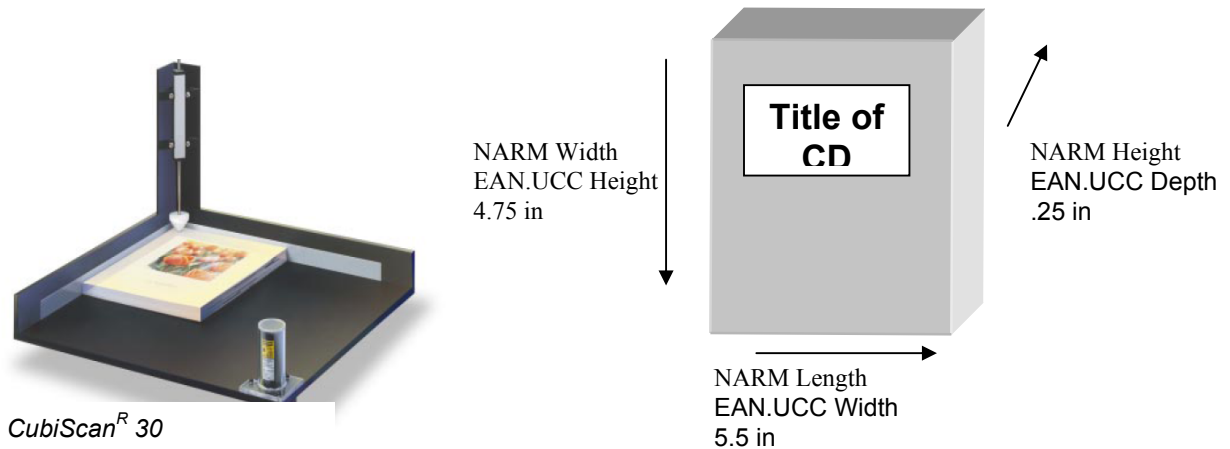
NARM Width = Top left to bottom left

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

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



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
Secondary Packaging Description	<ul style="list-style-type: none"> ▪ This attribute can be repeated with multiple values ▪ See industry code list in Appendix B

Business Solution Design

Business Solution Design

1.7.1 External Code Lists

Code List Name	Code List Description
Film rating content descriptors	The rating is a coded indication of the age group the trade item is appropriate for.
Code Name	Code Description
AH	Adult Humour
AL	Adult Language
AS	Adult Situations
BN	Brief Nudity
CC	Child classic
DC	Drug Content
EC	Excellent for Children
G	Gore
GV	Graphic Violence
MV	Mild Violence
NC	Nudity
NC	Not for Children
OK	Okay for Children
P	Profanity
QC	Questionable for Children
SA	Substance Abuse (Alcohol, Drugs)
SC	Strong Sexual Content
SS	Sexual Situations
SV	Sexual Violence
V	Violence

Code List Name	Code List Description
Film rating content descriptors	The rating is a coded indication of the age group the trade item is appropriate for.
Code Name	Code Description
TV_Y	All Children
TV_Y7	Directed to Older Children
TV_Y7_FV	Directed to Older Children, Fantasy Violence
TV_G	General Audience
TV_PG	Parental Guidance Suggested
TV_14	Parents Strongly Cautioned
TV_MA	Mature Audience Only

Code List Name	Code List Description
Genre codes	The code of the genre of a film. The genre is a categorization of the film based upon the content and maintained for marketing and merchandising purposes.
Code Name	Code Description
ACTION	
ACTION_DRAMA	
ACTION_ADVENTURE	
ACTION_COMEDY	
ACTION_THRILLER	

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ADULT	
ADULT_ANIME	
ADVENTURE	
ANIME	
ANIMATION	
ANIMATED_COMEDY	
BLACK_COMEDY	
BIOPIC_DRAMA	
CHILDREN	
CLASSICS	
COMEDY	
CRIME	
CRIME_ACTION	
DARK_COMEDY	
DOCUMENTARY	
DRAMA	
DRAMA_COMEDY	
DRAMA_ROMANCE	
EROTIC_THRILLER	
FINE_ART_FOREIGN	
FAMILY	
FANTASY_SCI_FI	
GAY_LESBIAN_CINEMA	
GAY_LESBIAN_ADULT	
HOBBIES_COOKING_CRAFT_REPAIR	
HORROR	
HEALTH_FITNESS	
INSTRUCTIONAL	
MARTIAL_ARTS	
MATURE	
MISCELLANEOUS	
MUSICAL	
MYSTERY	
MUSIC_VIDEO	
POLITICAL_DRAMA	
ROMANTIC_COMEDY	
ROMANCE	
ROMANTIC_DRAMA	
SCI_FI	
SCI_FI_ACTION	
SCI_FI_ADVENTURE	
SCI_FI_COMEDY	
SCI_FI_HORROR	
SPECIAL_INTEREST	
SPORTS_GAMES	
SPY_THRILLER_DRAMA	
SUSPENSE	
SUSPENSE_THRILLER	
TELEVISION	
THRILLER	

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TRAVEL	
URBAN_MUSICAL	
URBAN_WESTERN	
WAR_DRAMA	
WESTERN	

Code List Name	Code List Description	
Rating agencies	To indicate the name of the country, industry or volunteer organization that has rated the title and has provided the rating content descriptor.	
Code	Agency Name	Description
BBFC	British Board of Film Classification	United Kingdom
BC	British Columbia	British Columbia, Canada
FCA	Film Censorship Authority	Hong Kong
FCO	Film Censor's Office	Ireland
FMOG	France Ministry of Culture	France
MPAA	The Motion Picture Association of America	U.S.
OFCS	Office of Film and Literature Classification	New Zealand
OFLC	Australian Office of Film and Literature Classification	Australia
OFRB	Ontario Film Review Board	Ontario, Canada

United States

MPAA Code	Definition
X_RATED	Applies to films featuring explicit sex or, more rarely, to films featuring extensive graphic violence
NC_17	No one under 17 admitted
R	Under 17 requires accompanying parent of adult guardian
PG	Parental guidance suggested. Some material may not be appropriate for all children
PG_13	Parents strongly cautioned. Some may be inappropriate for children under 13
G	General audiences. All ages admitted
NOT_RATED	
RATING_PENDING	

Ontario, Canada

FAMILY	Film appropriate for viewing by a person of any age
PARENTAL_GUIDANCE	Parents should exercise discretion in permitting a child to view the film
14A	Persons younger than 14 years of age must be accompanied by an adult
18A	Persons younger than 18 years of age must be accompanied by an adult
RESTRICTED	Film restricted to persons 18 years of age or older
ADULT	Requires a sticker denoting "Title", "Running Time", "Distributor ID" Approval Certificate Number"

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British Columbia, Canada

GENERAL	All ages. The contents of these motion pictures are suitable for viewing by all ages
PARENTAL_GUIDANCE	All ages. Parental guidance advised. Theme or content may not be suitable for all children.
14 ACCOMPANIMENT	Anyone under 14 years of age must be accompanied by an adult. Parents cautioned. These films may contain violence, coarse language, and/or sexually suggestive scenes
18 ACCOMPANIMENT	Anyone under 18 years of age must be accompanied by an adult. Parents strongly cautioned. Will likely contain explicit violence, frequent coarse language, sexual activity and/or horror.
RESTRICTED	No one under the age of 18 may view under any circumstances. Content not suitable for minors. May contain scenes of explicit sex and/or violence. However, the film classification office considers these films to have some artistic, historical, political, educational or scientific merit.
ADULT	No one under 18 may view under any circumstances. May contain explicit sexual scenes and/or violence. However, the classification office considers these films to be tolerable to the community

France

(note - these codes are not official)

ALL	Valid for all audiences
P12	With a prohibition for minors of 12
P16	With a prohibition for minors of 16
P18	With a prohibition for minors of 18

United Kingdom

UC	(Universal Children) Suitable for all but especially for young children (video only)
U	(Universal) Suitable for all
PG	All ages admitted, but Parental Guidance is recommended. It is the board's policy that films rated "PG" should not disturb a child of about 8 years of age or older; however, "parents are advised to consider whether the content may upset young or more sensitive children."
12A_12	No one under 12 years of age may see a "12A" film (unless accompanied by an adult) in a cinema or rent or buy a "12" video
15	No one under 15 years of age may see a "15" film or rent or buy a "15" video
18	Suitable only for adults. No one under 18 years of age may see an "18" film or rent or buy an "18" video
R18	To be supplied only in licensed sex shops or cinemas to adults of not less than 18 years of age

Business Solution Design

E	Exempt from BBFC
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Ireland

G	'General' - Suitable for viewing by anyone
PG	'Parental Guidance' - Parental guidance is recommended for children under the age of 12
12PG	'Parent supervision required for children under 12' - A person over 18 years of age must accompany a child under the age of 12 when seeing a film theatrically
15PG	'Parent supervision required for children under 15' - A much stronger warning that, although the film may be unsuitable for a child under the age of 15 watching alone, a child with an adult may be admitted to the film's screening
18	'Adults only' - The film is suitable only for adults. A person under this age will not be admitted

Australia

G	Suitable for all viewers. It is noted by the board that a "G" film rating in Australia doesn't indicate the film is intended for children, simply that nothing in the film will be disturbing or harmful to children
PG	Parental Guidance recommended for children under 15 years of age
M	Mature, recommended for audiences 15 years and over. Note: this is not a legally restricted Australian film rating, but films in this category cannot be recommended for those under 15 years
MA	Mature Accompanied. This category is legally restricted in that children under 15 cannot see "MA" films or rent them on video unless accompanied by a parent or adult guardian
R	Restricted. This category is legally restricted to adults. No one under 18 may view these films in a cinema or rent them on videocassette.
X	Restricted. This rating applies to sexually explicit material which is restricted to viewers 18 years of age and over
E	Exempt from classification - thus not a rating as such. These are usually educational programs

New Zealand

G	Suitable for all
PG	Parental guidance recommended for younger viewers
M	Mature; Suitable for people 16 years or older. Parental decision whether to let children watch a particular film
R13	Restricted to 13 year-olds and older
R15	Restricted to 15 year-olds and older
R16	Restricted to 16 year-olds and older

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R18	Restricted to 18 year-olds and older
R	A special restriction (details of the restriction noted to the right of the label). Equivalent to the old 'RP' classification

Hong Kong	I	Suitable for all ages
	IIA	Not suitable for children
	IIB	Not suitable for young persons and children
	III	For persons aged 18 or above only

Ratings per country or region

United States	MPAA Code	Definition
	X_RATED	Applies to films featuring explicit sex or, more rarely, to films featuring extensive graphic violence
	NC_17	No one under 17 admitted
	R	Under 17 requires accompanying parent of adult guardian
	PG	Parental guidance suggested. Some material may not be appropriate for all children
	PG_13	Parents strongly cautioned. Some may be inappropriate for children under 13
	G	General audiences. All ages admitted
	NOT_RATED	
	RATING_PENDING	

Ontario, Canada	FAMILY	Film appropriate for viewing by a person of any age
	PARENTAL_GUIDANCE	Parents should exercise discretion in permitting a child to view the film
	14A	Persons younger than 14 years of age must be accompanied by an adult
	18A	Persons younger than 18 years of age must be accompanied by an adult
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	ADULT	Requires a sticker denoting "Title", "Running Time", "Distributor ID" Approval Certificate Number"

British Columbia, Canada	GENERAL	All ages. The contents of these motion pictures are suitable for viewing by all ages
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18 ACCOMPANIMENT	Anyone under 18 years of age must be accompanied by an adult. Parents strongly cautioned. Will likely contain explicit violence, frequent coarse language, sexual activity and/or horror.
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E	Exempt from BBFC

Ireland

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15PG	'Parent supervision required for children under 15' - A much stronger warning that, although the film may be unsuitable for a child under the age of 15 watching alone, a child with an adult may be admitted to the film's screening
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Australia

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PG	Parental Guidance recommended for children under 15 years of age
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MA	Mature Accompanied. This category is legally restricted in that children under 15 cannot see "MA" films or rent them on video unless accompanied by a parent or adult guardian
R	Restricted. This category is legally restricted to adults. No one under 18 may view these films in a cinema or rent them on videocassette.
X	Restricted. This rating applies to sexually explicit material which is restricted to viewers 18 years of age and over
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R16	Restricted to 16 year-olds and older
R18	Restricted to 18 year-olds and older
R	A special restriction (details of the restriction noted to the right of the label). Equivalent to the old 'RP' classification

Hong Kong

I	Suitable for all ages
IIA	Not suitable for children
IIB	Not suitable for young persons and children
III	For persons aged 18 or above only

Business Solution Design

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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

1.9 Appendices

1.10 Summary of Changes

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

Change	BMS Version	Associated CR Number
•		

Business Solution Design

XML Technical Solution Design

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