

PSD to PBCore mapping July 2006		Mapping Legend	Direct	Direct = there is a direct and obvious mapping to PBCore, and 64 characters should be sufficient space to accommodate direct exchange of information between these two fields		
			Partial	Partial = matches semantic mapping but there are data limitations, or other exceptions		
			None	None = no mapping possible in current PBCore. Recommendations will appear in notes field		
PSD Program Elements	PBCore Element Name	Related Sub Element	Match type	Notes	ID3 Mapping	ID3 Mapping comment
	PBCoreAsset			PBCoreAsset is the parent container for essence defined by+E1 a PBCore record		
Series Level						
<SeriesIsSeries>	None	None	None			
<SeriesTitle>	pbcoreTitle	titleType = Series	Direct		Title	ID3 Titles are typically applied to a single file, which would indicate a one-to-one relationship with a full program if it is a single file, or a segment, rather than a series

<SeriesID>	None	None	None	There is no identifier that is designated as a series level identifier in PBCore, however for Identifiers which point to any item that stands on its own, this Series and Program Identifier may be equivalent. PBCore can define content at the series level but a PBCore record will typically describe a program, and include the series title as a way to indicate it is part of a larger series.	Title?	
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<SeriesDescription>	pbcoreDescription	descriptionType = Abstract	Partial - Direct	<p>64 characters is too small a limit to place on the PBCore descriptionType=Abstract field. It is unlikely that truncating a PBCore description for populating PSD description fields will yield a satisfactory PSD Description. However, PSD information could be mapped directly to the description field in PBCore without compromise. The small set of description types within PBCore is a known barrier to adoption, and is being documented and discussed as part of the PBCore advocacy project. These fields should probably remain separate, with potential inclusion of PSD description field support in PBCore at a later date, or support through PSD "extensions" to PBCore. This could also map to PBCoreSubject, if it is a topic of the show that is to be displayed</p>	Comment	<p>Although there is a comment field in the draft PSD fields, this is the method to deliver description to current generation receivers.</p>
<SeriesHost>	pbcoreContributor	contributorRole= Host	Direct		Artist	
<SeriesGenre>	pbcoreGenre		Partial	<p>There is a Genre field in PBCore that would map directly into this field but the recommended use of ID3 genre tags breaks this mapping. While we recognize the need for inclusion of this field in PSD for interoperability with projected features from iBiquity, ID3 Genre tags are not sufficient for use by public broadcasters.</p>	Genre	<p>Genre Tags in ID3 are not useful for any programming but music, and if used, a limited vocabulary should be chosen from the ID3 genre list</p>

<SeriesComment1>	pbcoreDescription	descriptionType = abstract, Table of Contents, Other. Or possibly comment data could be stored in PBCore Annotation	Partial	Character limitation makes this mapping difficult	Comment	
<SeriesComment2>	pbcoreDescription	descriptionType = abstract, Table of Contents, Other. Or possibly comment data could be stored in PBCore Annotation	Partial	Character limitation makes this mapping difficult	Comment	
<SeriesUnderwriterName1>	pbcoreContributor	ContributorRole = Funder	Direct		None	
<SeriesUnderwriterTag1>	None	None	None	This brings up the issue of intended viewer, or audience, for this information. PBCore was developed as a means to describe content for exchange, not to present metadata to end users. This text is likely to get dropped into annotation by anyone wishing to store it in a PBCore compliant system.	Commercial	
<SeriesUnderwriterName2>	pbcoreContributor	ContributorRole = Funder	Direct		None	
<SeriesUnderwriterTag2>	None	None	None	See SeriesUnderwriterTag1	Commercial	
<SeriesUnderwriterName3>	pbcoreContributor	ContributorRole = Funder	Direct		None	
<SeriesUnderwriterTag3>	None	None	None	See SeriesUnderwriterTag1	Commercial	
<SeriesHasPgmInfo>	None	None	None			
Program Level				This is the level of definition that is typically expected in a PBCore record... the description of a complete program that may, or may not, be part of a larger series, or have segments contained within it		

<PgmID>	pbcoreIdentifier	identifierSource	Direct or Partial	Without knowing the context of this ID, (the system that applied that ID = PBCore IdentifierSource,) it is very difficult to make a simple numerical identifier relevant as the content is exchanged between digital systems. Future revisions of the spec should consider either requiring that the program source encoded into the PgmID such as: PRI_WBEZ_TAL_2006-06-08_V123, or adding an additional field or fields which define producing and distributing entities associated with a given program. There is also an emerging need for broadcasters to endorse some federated registry of programming entities and programming that would be able to assign universal unique identifiers to producers, distributors, series, and programs within those series.	Reference Identifiers	
<PgmHost>	pbcoreContributor	contributorRole= Host	Direct		Artist	
<PgmGenre>	pbcoreGenre		Partial	See SeriesGenre Comment	Genre	Genre Tags in ID3 are not useful for any programming but music, and if used, a limited vocabulary should be chosen from the ID3 genre list
<PgmNumber>	None	None	None			
<PgmTitle>	pbcoretitle	titleType = Program	Direct		Title	

<PgmDescription>	pbcoreDescription	descriptionType = abstract	Partial	<p>Would map to descriptionType = abstract but the character limitation makes this difficult. Also it is also difficult to determine what level of description is provided in a PBCore record without knowing if the record describes a series, program, or episode. (requires knowledge of title/titleType, which is included in the PBCore record) The limited number of available types of description in the current PBCore is a known limitation, and likely PBCore would benefit from inclusion of more types of description to accommodate this limitation. This could also map to PBCoreSubject, if it is a topic of the show that is to be displayed</p>	Comment	one to many relationship
<PgmComment1>	pbcoreDescription possibly pbcoreAnnotation	Annotation. Or possibly descriptionType = abstract, Table of Contents, Other	Partial	<p>If you are migrating text from PSD to PBCore, this information would likely go into the annotation field. If you are pushing from PBCore to PSD, the character limitation makes this mapping difficult, and logic would need to be developed on the publishing system to truncate, and/or chop text into separate comment fields (1 & 2). Description might be another workable mapping, depending on the implementation.</p>	Comment	

<PgmComment2>	pbcoreDescription	descriptionType = abstract, Table of Contents, Other. Or possibly Annotation	Partial	Character limitation makes this mapping difficult. See above. Also see comments in Narrative that accompanies this mapping document	Comment	
<PgmUnderwriterName1>	pbcoreContributor	ContributorRole = Funder	Direct		None	
<PgmUnderwriterTag1>	None	None	None	See SeriesUnderwriterTag1	Commercial	
<PgmUnderwriterName2>	pbcoreContributor	ContributorRole = Funder	Direct			
<PgmUnderwriterTag2>	None	None	None	See SeriesUnderwriterTag1		
<PgmUnderwriterName3>	pbcoreContributor	ContributorRole = Funder	Direct			
<PgmUnderwriterTag3>	None	None	None	See SeriesUnderwriterTag1		
<PgmHasSegInfo>	None	None	None			
<PgmAudioFile>	PBCore Identifier?	identifierSource	Partial	This could be equivalent to PBCoreIdentifier, if the file name is used as the unambiguous identifier.		
<PgmAudioFileLocation>	PBCoreInstantiation	formatLocation	Direct or Partial	If formatLocation is stored as a url in PBCore, this will be a direct mapping		
Segment Level						
<SegID>	pbcoreIdentifier	identifierSource	Partial, or Direct	If the PBCore record defines a single segment, the segment fields would be equivalent to pbcoreIdentifier, and could be a direct map.		

<SegNumber>	None	None	None or Partial	PBCore does provide for a single segment to be defined by a single PBCore record, and then those multiple records to be tied together using the relation field. The lack of an easily implementable mechanism to bind together multiple segments to build a program is a known limitation to PBCore. It would be ideal to accommodate segments within PBCore so that a single record would encapsulate metadata for all segments that comprise a single episode or program within a series. This is a fairly difficult technical problem to solve.	Reference Identifiers	
<SegType>	pbcore Genre		Direct	Both Talk and Music are included in the controlled vocabulary for Genre in PBCore but this presents a problem with how to differentiate a Genre field that determines the topic of a segment, versus the type of programming that is included in segment	Genre?	
<SegTitle>	pbcoretitle	titleType = Segment	Direct		Title	
<SegDescription>	pbcore Subject		Direct or Partial	In PSD, this field is meant to indicate a topic for the segment. PSD SegDescription and PBCore Subject are equivalent in their application at this level. This could also map, with data limitations, to PBCoreDescription.	Genre?	
<SegGuest>	pbcoreContributor	contributorRole = Guest	Direct	Direct mapping if record is titleType=Segment	Artist	

<SegHost>	pbcoreContributor	contributorRole = Host	Direct	Direct mapping if record is titleType=Segment	Artist	
<SegComment1>	pbcoreDescription	Annotation or descriptionType = abstract, Table of Contents, Other.	Partial	Character limitation makes this mapping difficult.	Comment	
<SegComment2>	pbcoreDescription	Annotation or descriptionType = abstract, Table of Contents, Other.	Partial	Character limitation makes this mapping difficult.	Comment	
<SegUnderwriterName>	pbcoreContributor	ContributorRole = Funder	Direct or Partial	Direct mapping if record is titleType=Segment	None	
<SegUnderwriterTag>	None	None	None	See Pgm UnderwriterTag	Commercial	
Song Level				PBCore does not support a set of metadata specifically for songs. An addition to the controlled vocabulary for titleType could be made in PBCore to accommodate song metadata.		
<SongTitle>	PBCoreTitle	TitleType = Alternative or Other	Partial	This mapping could work but is messy to implement as there would need to be logic to determine if it is a music or song segment. (which could potentially be done in conjunction with the SegType field) It would be better to update PBCore to add song as a titleType.	Title	
<SongTitleLong1>	pbcoreDescription	descriptionType = abstract, Table of Contents, Other. Or possibly Annotation	Partial	Creating a set number of fields to enable transmission of longer character strings to the receivers may not be the best solution. This is discussed in greater depth in the "repeatable fields" section the accompanying narrative report.	Title	

<SongTitleLong2>	pbcoreDescription	descriptionType = abstract, Table of Contents, Other. Or possibly Annotation	Partial	See above	Title	
<SongArtist>	pbcoreContributor	ContributorRole = Artist, Instrumentalist, Musician, Performer, Performing Group, Vocalist	Direct	Direct mapping if record is titleType=Segment	Artist	All individuals or groups listed as contributors could be categorized as Artists in ID3, and any of these PSD fields may be appropriately pushed to 1st generation PAD receivers
<SongAlbum>	pbcoreRelation	relationType = Is Part Of, or References	Partial or Direct	Direct mapping if record is titleType=Segment	Album	
<SongConductor>	pbcoreContributor	contributorRole = Conductor	Direct	Direct mapping if record is titleType=Segment	Artist	All individuals or groups listed as contributors could be categorized as Artists in ID3, and any of these PSD fields may be appropriately pushed to 1st generation PAD receivers
<SongComposer>	pbcoreContributor	contributorRole = Composer	Direct	Direct mapping if record is titleType=Segment	Artist	

<SongSoloist>	pbcoreContributor	ContributorRole = Artist, Instrumentalist, Musician, Performer, Vocalist	Direct	Direct mapping if record is titleType=Segment	Artist	All individuals or groups listed as contributors could be categorized as Artists in ID3, and any of these PSD fields may be appropriately pushed to 1st generation PAD receivers
<SegAudioFile>	PBCore Identifier?	identifierSource	Partial	This could be equivalent to PgmIdentifier, if the file name is used as the unambiguous identifier. Might this be URI, or URL?		
<SegAudioFileLocation>	PBCoreInstantiation	formatLocation	Direct or Partial	If formatLocation is stored as a url in PBCore, this will be a direct mapping		