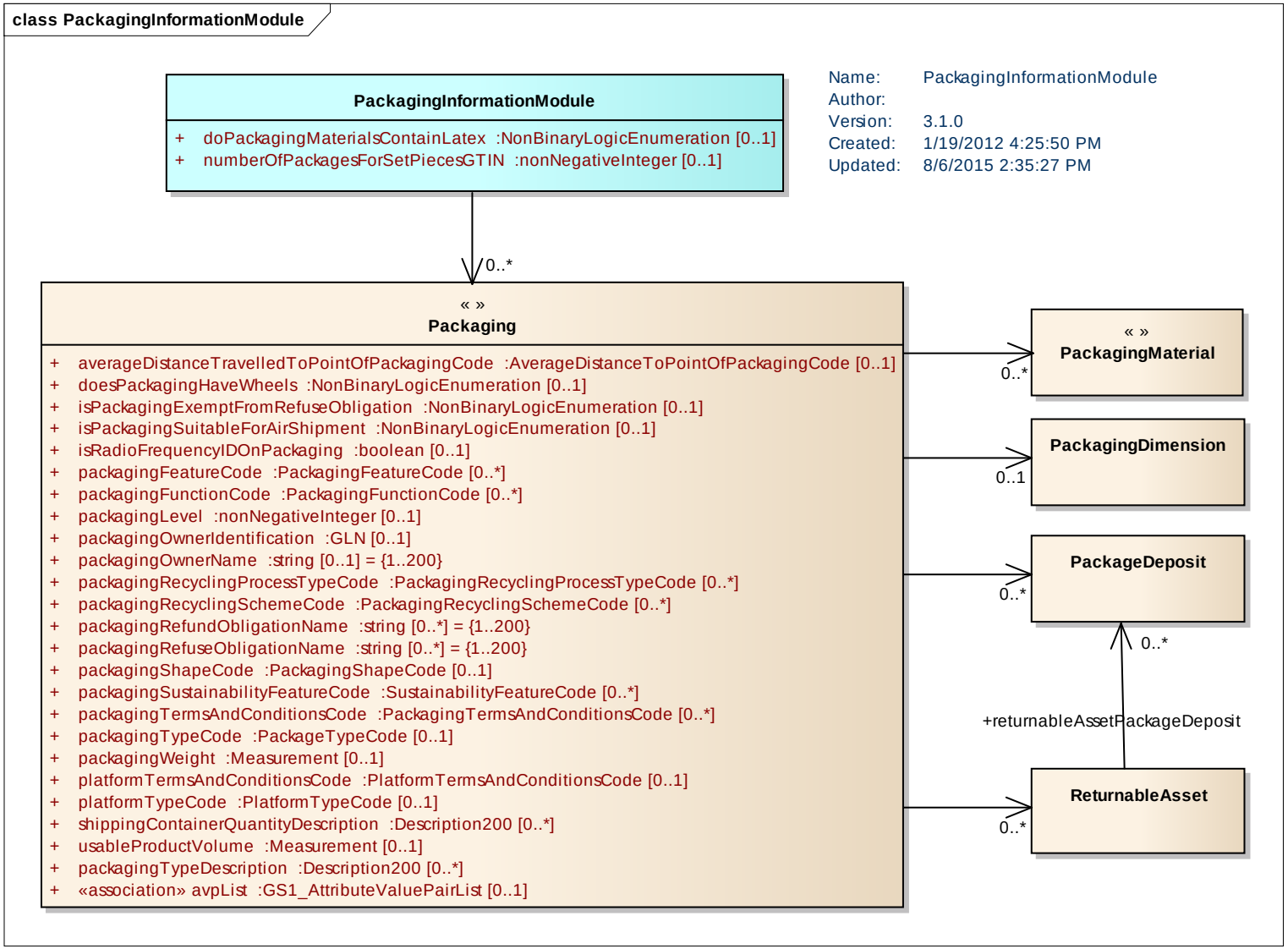
5.37. Packaging Information Module



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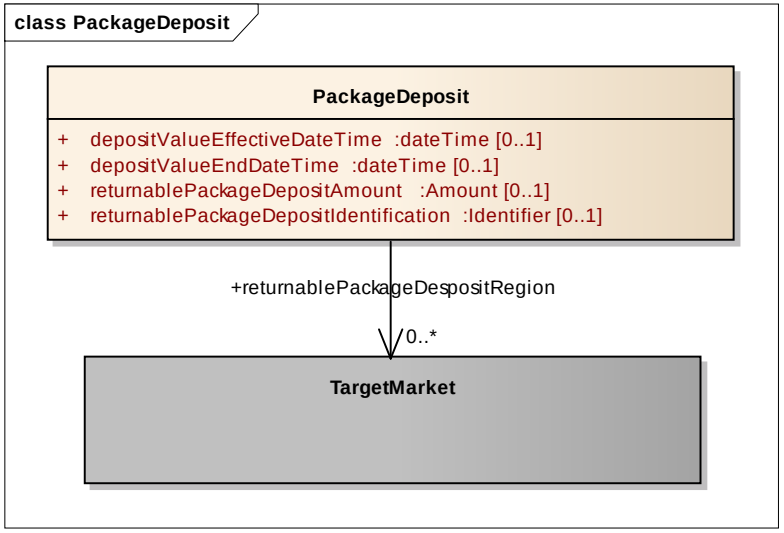

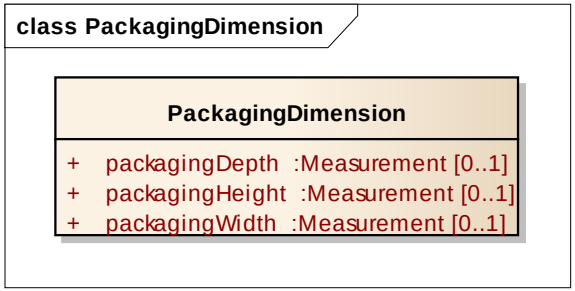

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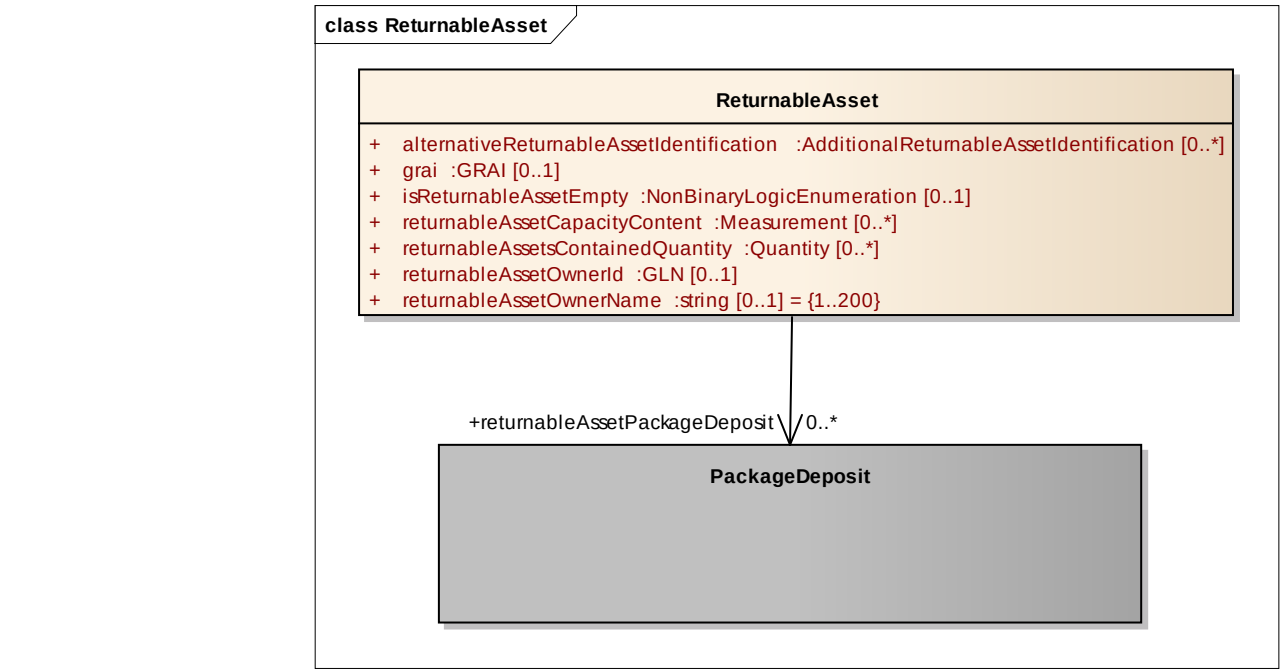

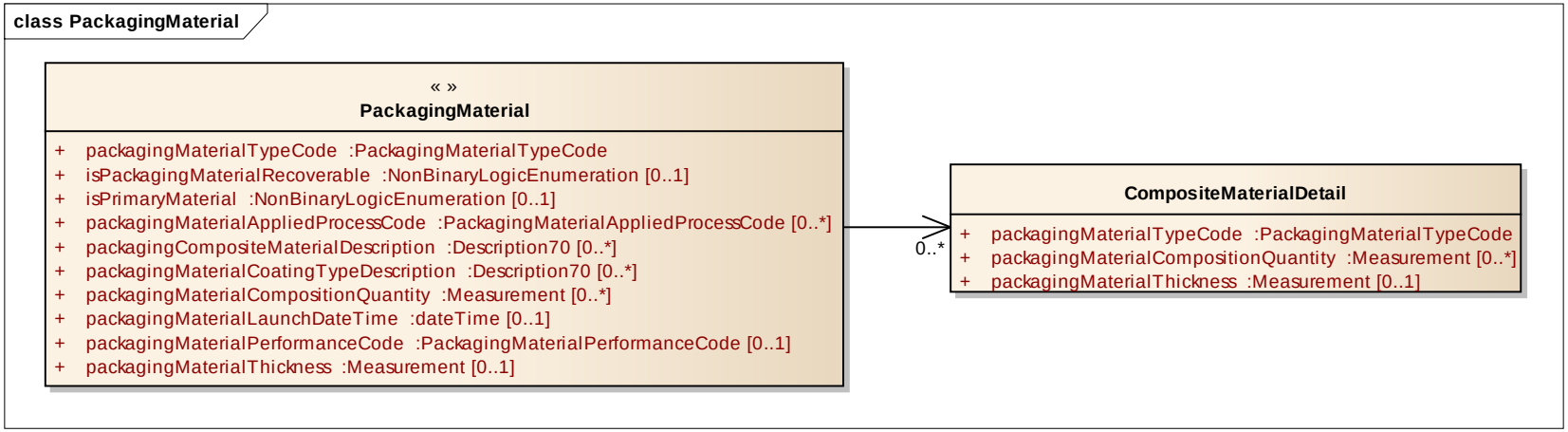

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content	attribute / role	datatype /secondary class	multiplicity	definition
PackagingInformationModule				Packaging information for a trade item.
Association		Packaging	0..*	Packaging information for a trade item.
Attribute	doPackagingMaterialsContainLatex	NonBinaryLogicEnumeration	0..1	Identifies if any of the trade item's packaging contains latex.
Attribute	numberOfPackagesForSetPiecesGTIN	nonNegativeInteger	0..1	The total number of separately packaged components comprising a single trade item.
Packaging				Details on packaging for a trade item.
Association		packagingDimension	0..1	Details on the dimensions of a packaging.
Association		PackageDeposit	0..*	Deposit information for packaging.

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content	attribute / role	datatype /secondary class	multiplicity	definition
Association		PackagingMaterial	0..*	Details on packaging material for a trade item's packaging.
Association		ReturnableAsset	0..*	Returnable asset information for a trade item's packaging.
Association	avpList	GS1_AttributeValuePairList	0..1	The transmission of non-standard data done in a simple, flexible, and easy to use method.
Attribute	averageDistanceTravelledToPointOfPackagingCode	AverageDistanceToPointOfPackagingCode	0..1	The average distance each packaging material travelled from the packaging material supplier to the point where the product and packaging are combined to form the trade item.
Attribute	doesPackagingHaveWheels	NonBinaryLogicEnumeration	0..1	Indicates if packaging has wheels to facilitate its transportation. Wheels can be permanently fixed or could be detachable. This could apply to a number of packaging types such as trays, cages, boxes, etc.
Attribute	isPackagingExemptFromRefuseObligation	NonBinaryLogicEnumeration	0..1	An indication for the packaging of this item that there exists an exemption from refuse (disposal) obligations.
Attribute	isPackagingSuitableForAirShipment	NonBinaryLogicEnumeration	0..1	Determines whether or not the packaging is suitable for air shipment for passenger or cargo for example has it been air pressure tested.
Attribute	isRadioFrequencyIDOnPackaging	boolean	0..1	Indicates that the packaging of the trade item is tagged with a Radio Frequency ID.
Attribute	packagingFeatureCode	PackagingFeatureCode	0..*	A packaging feature thatfacilitates the usage of the product by the consumer. Features do not affect the core composition of the packaging type nor modify its usage.
Attribute	packagingFunctionCode	PackagingFunctionCode	0..*	A code that is used to identify specific functionality for packaging resulting from specific processes or features present in the packaging type. These additional functionalities are not dependant on the packaging type and maybe applied to multiple different types.
Attribute	packagingLevel	nonNegativeInteger	0..1	Identifies the hierarchical level of the packaging element, i.e. primary, secondary or tertiary. For example: a bottle in a cardboard box displayed on a shelf. The primary hierarchical level is the bottle (plastic or glass), the secondary level would be the box (cardboard), and the tertiary level would be the film around the pallet.
Attribute	packagingOwnerIdentification	GLN	0..1	The GLN of the owner of the packaging.
Attribute	packagingOwnerName	string	0..1	The name of the owner of the packaging.
Attribute	packagingRecyclingPr	PackagingRecycling	0..*	The process the packaging could undertake for recyclable &

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content	attribute / role	datatype /secondary class	multiplicity	definition
	ocessTypeCode	ProcessTypeCode		sustainability programs. Examples COMPOSTABLE, ENERGY_RECOVERABLE, REUSABLE.
Attribute	packagingRecyclingSchemeCode	PackagingRecyclingSchemeCode	0..*	A code determining the recycling scheme the packaging of this trade item will fall within when recycled. Applies to recyclable packaging with or without deposit.
Attribute	packagingRefundObligationName	string	0..*	The refund obligation that the packaging of this item is subject to for example the DPG = Deutsche Pfandsystem GmbH which is a refund obligation for one way beverage packaging for beer, sparkling soft drinks and mineral water.
Attribute	packagingRefuseObligationName	string	0..*	The name of the specific refuse obligation that may apply to packaging or that the packaging may be exempt from for example ARA.
Attribute	packagingShapeCode	PackagingShapeCode	0..1	A code depicting the shape of a package for example cone.
Atttribute	packagingSustainabilityFeatureCode	SustainabilityFeatureCode	0..*	A feature of the packaging that contributes to sustainability initiatives for example that it is made from renewable materials.
Attribute	packagingTermsAndConditionsCode	PackagingTermsAndConditionsCode	0..*	Indicates if the packaging given in the described packaging configuration is a rented, exchangeable, against deposit or one way/not reusable.
Attribute	packagingTypeCode	PackageTypeCode	0..1	The dominant means used to transport, store, handle or display the trade item as defined by the data source. This packaging is not used to describe any manufacturing process. Data recipients can use this data for: • Space Planning • Data Accuracy (Tolerances) • Supply Chain processes • Recycling process (In combination with packaging materials) • Product buying/procurement decisions • Tax calculations/fees/duties calculation
Attribute	packagingTypeDescription	Description200	0..*	System generated text description of the type of packaging used for the trade item.
Attribute	packagingWeight	Measurement	0..1	Used to identify the measurement of the packaging weight of the trade item
Attribute	platformTermsAndConditionsCode	platformTermsAndConditionsCode	0..1	Indicates if the platform in the prescribed pallet configuration is rented, exchangeable, against deposit or one way (not

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content	attribute / role	datatype /secondary class	multiplicity	definition
				reusable).
Attribute	platformTypeCode	PlatformTypeCode	0..1	Indicates whether the described despatch unit is delivered on a pallet/platform and on which type of platform. If the despatch unit is delivered on a platform, the platform type must be given here. The range of the platform types/codes is listed in code sets.
Attribute	shippingContainerQuantityDescription	Description200	0..*	The quantity of the contents of the shipping container as described on the outside of the shipping container, for example 100 .5 oz envelopes.
Attribute	usableProductVolume	Measurement	0..1	The cubic space occupied by the product excluding the packaging. This is measured as the smallest theoretical space the product will fit into. For example: Liquid - a 12 fluid ounce soda has a product volume of 12 fluid ounces or 21.7 cubic inches within the can. Solids by count- a 50ct bottle of tablets (where 1000 tablets requires 1000 cubic centimetre has a product volume of 50 cubic centimetres or 3.1cubic inches, Solids by weight-a 5kg bag of sugar (with a bulk density of .849 g/cubic centimetres has a product volume of 5.889 cubic centimetres or 359.4 cubic inches.
CompositeMaterialDetail				Details on the materials that make up a composite material.
Attribute	packagingMaterialTypeCode	PackagingMaterialTypeCode	1..1	The materials used for the packaging of the trade item for example glass or plastic. This material information can be used by data recipients for: o Tax calculations/fees/duties calculation o Carbon footprint calculations/estimations (resource optimisation) o to determine the material used.
Attribute	packagingMaterialCompositionQuantity	Measurement	0..*	The quantity of the packaging material of the trade item. Can be weight, volume or surface, can vary by country.
Attribute	packagingMaterialThickness	Measurement	0..1	The thickness of a packaging material.
PackagingMaterial				Information on any material used for packaging.

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content	attribute / role	datatype /secondary class	multiplicity	definition
Association		CompositeMaterialDetail	0..*	Details on the materials that make up a composite material.
Attribute	packagingMaterialTypeCode	PackagingMaterialTypeCode	1..1	The materials used for the packaging of the trade item for example glass or plastic. This material information can be used by data recipients for: o Tax calculations/fees/duties calculation o Carbon footprint calculations/estimations (resource optimisation) o to determine the material used.
Attribute	isPackagingMaterialRecoverable	NonBinaryLogicEnumeration	0..1	Determines whether packaging material is recoverable. Recoverable materials are those which are capable of beingreused or returned to use in the form of raw materials
Attribute	isPrimaryMaterial	NonBinaryLogicEnumeration	0..1	Specifies the primary or majority material in a composite material used for packaging.
Attribute	packagingMaterialAppliedProcessCode	PackagingMaterialAppliedProcessCode	0..*	The processes applied to the material or used in the manufacturing of the material to modify/enhance its properties.
Attribute	packagingCompositeMaterialDescription	Description70	0..*	A description of any composite material used in packaging. A composite material is a combination of different material.
Attribute	packagingMaterialCoatingTypeDescription	Description70	0..*	Specifies any coating material that is applied to the packaging material.
Attribute	packagingMaterialCompositionQuantity	Measurement	0..*	The quantity of the packaging material of the trade item. Can be weight, volume or surface, can vary by country.
Attribute	packagingMaterialLaunchDateTime	dateTime	0..1	The first date that a change in packaging material has occurred. This change does not result in a new GTIN at any level of the item hierarchy, such as, an increase or decrease in packaging material and is delivered to the retailer.
Attribute	packagingMaterialPerformanceCode	PackagingMaterialPerformanceCode	0..1	A status of packaging performance based on testing to minimize damage to Trade Items for example 3 (improved packaging performance).
Attribute	packagingMaterialThickness	Measurement	0..1	The thickness of a packaging material.
PackageDeposit				Deposit information for a package.
Association	returnablePackageDepositRegion	TargetMarket	0..*	The geographic region associated with the returnable package deposit amount.
Attribute	depositValueEffective	dateTime	0..1	First date that the deposit value is valid for the deposit code.

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content	attribute / role	datatype /secondary class	multiplicity	definition
	DateTime			
Attribute	depositValueEndDateTime	dateTime	0..1	Last date that the deposit value in the currency is valid for the deposit code.
Attribute	returnablePackageDepositAmount	Amount	0..1	The monetary amount for the individual returnable package.
Attribute	returnablePackageDepositIdentification	Identifier	0..1	In some markets the deposit information is specified by a GTIN giving the type of returnable package on which a deposit is charged. Each deposit code is associated with an amount specified elsewhere. The enumeration list is maintained externally.
PackagingDimension				Details on the dimensions of a packaging.
Attribute	packagingDepth	Measurement	0..1	The depth of packaging as measured according to the GS1 Package Measurement Rules.
Attribute	packagingHeight	Measurement	0..1	The height of packaging as measured according to the GS1 Package Measurement Rules.
Attribute	packagingWidth	Measurement	0..1	The width of packaging as measured according to the GS1 Package Measurement Rules.
ReturnableAsset				Returnable asset information for a package.
Association	returnableAssetPackageDeposit	PackageDeposit	0..*	Package deposit information for a package.
Attribute	alternativeReturnableAssetIdentification	AdditionalReturnableAssetIdentification	0..*	An additional returnable asset identification type. Allowed code values are specified in GS1 Code List AdditionalReturnableAssetIdentificationTypeCode.
Attribute	grai	GRAI	0..1	The GS1 Identification Key used to identify Returnable Assets. The key comprises a GS1 Company Prefix, Asset Type, Check Digit, and optional serial number.
Attribute	isReturnableAssetEmpty	NonBinaryLogicEnumeration	0..1	Determines whether the returnable asset is empty.
Attribute	returnableAssetCapacityContent	Measurement	0..*	A measurement of the potential capacity of a returnable asset for example how many bottles can fit into a crate. This is not the content for the full packaging but rather how much the packaging can contain.
Attribute	returnableAssetsContainedQuantity	Quantity	0..*	The number of returnable assets contained that are allocated to the full returnable item identified by the GTIN of the returnable asset. An example would be 6 bottles of beer in a

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content	attribute / role	datatype /secondary class	multiplicity	definition
				six pack (Trade Item).
Attribute	returnableAssetOwnerId	GLN	0..1	The GLN of the owner of a returnable asset.
Attribute	returnableAssetOwnerName	string	0..1	The name of the owner of a returnable asset.

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