

ONIX for Distributions: message format overview

Version 1.1, May 2010

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Earlier versions of this overview were used as the basis for the application guidelines produced by each of the ONIX IFRRO pilots in 2007. Immediately before Version 1.0 was released, a number of final modifications and corrections were made to the format specification, and these may not all be reflected in the pilot documentation. Further additions have been made in Version 1.1 (though in every case these are backwards-compatible). Please note, therefore, that where there is any discrepancy between the pilot guidelines and this overview, the overview should be taken as authoritative.

Changes in Version 1.1

Substantive changes in Version 1.1 are shown in **red** on pages 2, 9, 11 and 14. The version number is changed to “1.1”, and new elements have been added as follows:

- In <DistributionByResource> (page 9), an element <ResourceDetail> to allow a resource to be described by free text in ONIX-DS when legacy data carries free text descriptions.
- In <DistributionByResource> (page 11), a composite <ResourcePart> to allow a resource which is part of a “parent” resource to be described in a distribution.
- In both <DistributionByResource> (page 11) and <DistributionByResourceClass> (page 14), an element <UnitRate> to allow the calculation of a distribution amount to be shown explicitly in terms of a number of specified units and a unit rate. (Since both <DistributionByResource> and <DistributionByResourceClass> are referenced within <DistributionByAccount>, the new element is not added separately to this third segment, but is available to be used within it.)

1. Introduction

This document is an overview of the ONIX for Distributions (ONIX-DS) format. It should be read in conjunction with the companion document *ONIX for Distributions: message structure*, which provides further technical details of the XML structure. The table below gives a top-level view of the format:

	<ONIXDistributionMessage version="1.1">	Note change in version number	
1	<Header>	A mandatory header identifying the sender and receiver, and giving the message date and other control information	1
2	<Distribution>	A composite that describes the details of an individual distribution	0-n
3	<DistributionByResource>	A composite that details a title-specific distribution	0-n
4	<DistributionByResourceClass>	A composite that details a genre-based distribution	0-n
5	<DistributionByAccount>	A composite that details a distribution organized by "accounts", where each account relates typically to a rightsholder such as an author	0-n
6	<DistributionPayment>	A composite that describes a payment covering one or more distributions	0-n
7	<Trailer>	A trailer carrying control totals to enable the integrity of the message to be checked	0-1

An ONIX-DS message consists of (i) a message header (<Header>) which identifies sender and receiver and carries a limited amount of other data pertinent to the message as a whole; (ii) an unlimited number of <Distribution> and/or <Distribution Payment> composites; and (iii) an optional, but recommended, Distribution Message <Trailer> carrying control totals.

It is expected that a common pattern for its use will be that each message will list a set of one or more Distributions that are included in a single Distribution Payment.

2. Distribution

The <Distribution> composite provides four different ways in which a single distribution may be organized: by lists of individually identified resources (*ByTitle*), by resource classes or "genres" (*ByResourceClass*), by rightsholder accounts (*ByAccount*), and as a simple lump sum with no supporting detail (*LumpSum*). Any of these four types can be further broken down to show the shares payable to particular classes of rightsholders.

The type of distribution is identified in the ONIX-DS message by a mandatory controlled value in the <DistributionType> element. For each of the first three types, supporting detail is sent in whichever of the composites identified in lines 3, 4, and 5 in the summary table above is appropriate to the type. For a Lump Sum distribution, by definition, no supporting detail can be sent.

Distribution by accounts typically arises when an agency like ALCS receives and aggregates monies from a number of sources (other RROs), and must then break out the aggregated totals into payments due to individual member or non-member accounts for rights controllers to whom it distributes through another agency. It was not explicitly recognized in the *Strawman* on which the format development was based, but has been added to meet the needs of agencies that operate in this way.

3. Distribution Payment

The <DistributionPayment> composite is specified to carry details of a single payment, which may relate to any number of distributions, which may or may not be detailed in the same ONIX-DS message. The payment detail is supported by a list of the unique identifiers of the distributions that it covers. The composite does not currently list the individual amounts, only the totals for the payment; but these could easily be added if required.

4. Controlled values and the ONIX IFRRO Dictionary

Wherever the overview refers to “ONIX controlled values”, this means that the element in question either must or may carry a value taken from the OLT IFRRO Dictionary, which is being developed to provide a value set appropriate to IFRRO member applications as these are specified in detail. Alternatively the element may in certain circumstances carry a local controlled value: see the companion document *ONIX IFRRO Dictionary Notes*.

5. Areas for possible further development

Version 1.0 of the format was substantially based on the original *Strawman* document. As a result of piloting, it has now developed to the point where it is no longer considered useful to maintain a detailed mapping to the elements in the *Strawman*. However, it should be noted that four areas from the original document are still not fully developed:

- (a) *Contact information for parties associated with the distribution* (see *Strawman* 7.1.3c, 7.1.4c and 7.1.5c). It is questionable whether a Distribution notice is the right place to communicate standing information about the parties involved, or changes to such information.
- (b) *Identifying rights controllers other than the recipient* (7.3.5). The requirement for this needs to be more fully defined.
- (c) *Specifying rights controller type* (7.3.7c and 7.4.4)
- (d) *Specifying usages and usage prices* (7.3.8)

6. ONIX-DS Header

1	<Header>			Message header	1
2	<Sender>			The sender of the message (coded identifier or name or both)	1
3		<SenderIdentifier>		Composite: a coded identifier of the message sender; repeatable only if a sender has two or more identifiers taken from different schemes	0-n
4			<SenderIDType>	An ONIX controlled value specifying a scheme from which an identifier is taken	1
5			<IDTypeName>	A name of a proprietary scheme, if applicable	0-1
6			<IDValue>	An identifier value, from the specified scheme	1
7		<SenderName>		The name of the sender organization	0-1
8		<SenderContact>		The name of a contact person in the sender organization	0-1
9		<SenderEmail>		An email address for the sender	0-1
10	<Addressee>			The addressee of the message (coded identifier or name or both)	1-n
11		<AddresseeIdentifier>		Composite: a coded identifier of the message addressee; repeatable only if an addressee has two or more identifiers taken from different schemes	0-n
12			<AddresseeIDType>	An ONIX controlled value specifying a scheme from which an identifier is taken	1
13			<IDTypeName>	A name of a proprietary scheme, if applicable	0-1
14			<IDValue>	An identifier value, from the specified scheme	1
15		<AddresseeName>		The name of the addressee organization	0-1
16		<AddresseeContact>		The name of a contact person in the addressee organization	0-1
17		<AddresseeEmail>		An email address for the addressee	0-1
18	<Test/>			An XML "empty element" which, if present, specifies that the message is a test	0-1
19	<MessageNumber>			Message sequence number	0-1
20	<MessageRepeat>			A number which distinguishes any repeat transmissions of a message	0-1
21	<SentDateTime>			The date, and optionally the time, when a message was sent	1
22	<MessageNote>			A free-text note about the contents of the message	0-1
23	<CurrencyCode>			An ISO code specifying the default currency for monetary amounts in the message	1

7. ONIX-DS Distribution

1	<Distribution>				0-n
2	<DistributionType>			An ONIX controlled value specifying a type of a distribution: <i>ByTitle</i> , <i>ByResourceClass</i> , <i>ByAccount</i> or <i>LumpSum</i>	1
3	<DistributionIdentifier>			A composite that carries a unique identifier of a distribution	1
4		<DistributionIDType>		An ONIX controlled value specifying a scheme from which a distribution identifier is taken	1
5		<IDTypeName>		A name of a proprietary scheme, if applicable	0-1
6		<IDValue>		An identifier value, from the specified scheme	1
7	<DistributionDescription>			A title or description given by the sender to a distribution	0-1
8	<DistributionRelatedAgent>			A composite that specifies an agent that is related to a distribution: two instances are mandatory to specify the payer and payee	2-n
9		<DistributionAgentRelator>		An ONIX controlled value specifying a relationship of an agent to a distribution, eg payer, payee	1
10		<AgentIdentifier>		A composite that carries an identifier of an agent, repeatable only if an agent has two or more identifiers taken from different schemes	0-n
11			<AgentIDType>	An ONIX controlled value identifying a scheme from which an agent identifier is taken	1
12			<IDTypeName>	A name of a proprietary scheme, if applicable	0-1
13			<IDValue>	An identifier value, from a specified scheme	1
14		<Name>		A name of an agent or agent class	0-1
15	<DistributionSource>			A composite that specifies a source of a distribution: required except for a distribution by account	0-1
16		<Licensor>		A composite that specifies a Licensor by name and/or identifier: either LicensorIdentifier or LicensorName (or both) must be present in any instance of the composite. <i>In this context "Licensor" means the organisation that originated the distribution, regardless of whether the latter relates to monies collected under a license or under a statutory levy or other modus operandi.</i>	0-1
17			<LicensorIdentifier>	A composite that carries an identifier of a licensor; repeatable only if a licensor has two or more identifiers taken from different schemes	0-n
18			<LicensorIDType>	An ONIX controlled value that specifies a scheme from which a licensor identifier is taken	1
19			<IDTypeName>	A name of a proprietary scheme, if applicable	0-1
20			<IDValue>	An identifier value, from the specified scheme	1
21			<LicensorName>	A name of a Licensor	0-1

22		<LicenseType>		An ONIX controlled value that uniquely identifies either a single license (eg CCC APS) or a package of licenses (eg all PLS/CLA "core" licences)	0-1
23		<LicenseSector>		A composite that specifies a sector, eg a business or academic sector, from which the monies in a distribution have been collected	0-n
24			<SectorIDType>	An ONIX controlled value that specifies a scheme from which a sector (and, if applicable, sub-sector) identifier is taken	1
25			<IDTypeName>	A name of a proprietary scheme, if applicable	0-1
26			<SectorID>	A sector identifier value, from the specified scheme	1
27			<SubSectorID>	A sub-sector identifier value, from the specified scheme	0-n
28		<DistributionSource Qualifier>		An ONIX controlled value that differentiates between classes of distribution under the same license; used (eg) by CLA to distinguish between distributions for new or renewal licenses	0-1
29		<LicenseTerritory>		A composite that specifies a License Territory by name and/or identifier: either PlacelIdentifier or Name must be present in any instance of the composite: default is the country of the Licensor	0-n
30			<PlaceIdentifier>	A composite that carries a place identifier; repeatable only if a place has two or more identifiers taken from different schemes	0-n
31			<PlaceIDType>	An ONIX controlled value that specifies a scheme from which a place identifier is taken: normally an ISO 3166 country code	1
32			<IDValue>	An identifier value, from the specified scheme	1
33			<Name>	A name of a license territory	0-1
34		<UsageType>		A usage type in respect of which a distribution is made: either (a) an ONIX controlled value specifying a usage type, or (b) a label assigned in a Usage Definition to identify a usage type	0-n
35		<UsageContext>		An ONIX controlled value specifying a context in which the usage giving rise to a distribution occurred	0-n
36		<LicenseBasis>		An ONIX controlled value specifying a basis on which a license is operated	0-1
37		<AllocationMethod>		An ONIX controlled value specifying a method by which monies for distribution have been allocated	0-1
38		<DistributionPeriod>		A composite that specifies a period to which a distribution refers	0-n
39			<DistributionPeriodType>	An ONIX controlled value specifying a type of period for which a distribution has been calculated	1
40			<PeriodStart>	YYYYMMDD	0-1
41			<PeriodEnd>	YYYYMMDD	1
42	<DistributionReference>			A composite that carries a reference to a document related to a distribution	0-n
43		<DocumentType>		An ONIX controlled value that specifies a type of a referenced document	1
44		<Reference>		A reference number of a document	1

45	<DistributionAmount>		A composite that carries an amount related to a distribution	0-n
46		<DistributionAmountType>	An ONIX controlled value specifying a type of a distribution amount: note that any specified type can occur only once as a Distribution Amount within a single instance of the <Distribution> composite	1
47		<Amount>	A monetary amount as a decimal number, negative if the amount is a deduction	1
48		<CurrencyCode>	An ISO code identifying a currency in which a monetary amount is stated, if different from the default declared in the header	0-1
49		<Percentage>	A decimal numeric value between 0 and 100 representing a percentage, if an amount is calculated as a percentage of another amount	0-1
50		<PercentageOfAmountType>	An ONIX controlled value specifying a type of a Distribution Amount against which a percentage is calculated, to link the percentage to the relevant Distribution Amount, which must be within this instance of the <Distribution> composite; values as for <DistributionAmountType>	0-1
51		<Tax>	A composite specifying tax applicable to a payment amount	0-n
52		<TaxType>	An ONIX controlled value specifying a tax type, eg VAT, self-billing VAT	0-1
53		<TaxRateCode>	An ONIX controlled value specifying a tax rate	0-1
54		<TaxRatePercentage>	A tax rate stated as a percentage	0-1
55		<TaxableAmount>	The portion of the payment amount that is subject to a specified tax, expressed as an absolute amount: default is the whole amount	0-1
56		<TaxAmount>	The amount of tax	1
57		<AmountAfterTax>	The amount after tax if any, negative if the amount is a deduction	0-1
58		<PaymentShareDueTo>	A composite specifying a rights controller, or a class of rights controller, and its share of a payment	0-n
59		<RelatedAgent>	An ONIX controlled value specifying an agent class, eg authors: used when a share is allocated to a class of rights controller	0-1
60		<AgentIdentifier>	A composite that carries an identifier of an agent, used when a share is allocated to a single specified rights controller; repeatable only if an agent has two or more identifiers taken from different schemes	0-n
61		<AgentIDType>	An ONIX controlled value identifying a scheme from which an agent identifier is taken	1
62		<IDTypeName>	A name of a proprietary scheme, if applicable	0-1
63		<IDValue>	An identifier value, from a specified scheme	1
64		<Name>	A name of an agent: used when a share is allocated to a single specified rights controller	0-1
65		<PaymentSharePercentage>	A payment share expressed as a percentage: either <PaymentSharePercentage> or <PaymentShareAmount>, or both, must be present	0-1

66			<PaymentShareAmount>	A payment share expressed as an absolute amount	0-1
67	<DeductionAtSource>			A composite that specifies “for information” an amount that was deducted at the source of a distribution, and is therefore not part of the calculation sequence expressed in successive <DistributionAmount> elements	0-n
68		<DeductionType>		An ONIX controlled value specifying the type of a deduction-at-source	1
69		<DeductionAmount>		A monetary amount as a positive decimal number	1
70		<CurrencyCode>		An ISO code identifying a currency in which the deduction-at-source <Amount> is stated, if different from the default declared in the header	0-1
71	<Definitions>			Definitions of entities referred to in the <Distribution> composite	0-1
72		<SourceDistributionDefinition>		A composite that defines a source distribution that is referred to in a distribution	0-n
73		<SourceDistributionLabel>		A label assigned here to the source distribution for unambiguous internal reference within the ONIX <Distribution> document only	1
74		<DistributionSource>		A composite that specifies a source of a distribution – expansion as above	1
75		<UsageDefinition>		A composite that defines a usage referred to in a Distribution: at present, this is a placeholder only – the expansion will be added when found necessary	0-n
76	<DistributionByResource>			Supporting details for a distribution that is broken down by resource only, ie with Distribution Type = <i>ByTitle</i> : see expansion on page 9	0-n
77	<DistributionByResourceClass>			Supporting details for a distribution that is broken down by resource class (“genre”) only, ie with Distribution Type = <i>ByResourceClass</i> : see expansion on page 14	0-n
78	<DistributionByAccount>			Supporting details for a distribution that is broken down by individual accounts, ie with Distribution Type = <i>ByAccount</i> : see expansion on page 16	0-n

7.1 DistributionByResource

1	<DistributionByResource>			Supporting details for a distribution that is broken down by resource only (expansion of line 35 on page 8)	0-n
2	<SourceDistributionLabel>			A label assigned to a source in a SourceDistributionDefinition for the purposes of this distribution	0-1
3	<ResourceCategory>			A composite that specifies a category to which a resource belongs	0-n
4		<ResourceCategoryType>		An ONIX controlled value specifying a scheme from which a resource category is taken	1
5		<CategoryTypeName>		A name of a proprietary scheme, if applicable	0-1
6		<CategoryValue>		A category value from a specified scheme	1
7	<ResourceIdentifier>			A composite that carries a unique identifier of a resource; repeatable only if a resource has two or more identifiers taken from different schemes: in the absence of a <ResourceIdentifier>, either a <Title> or a <ResourceDetail> element must be sent	0-n
8		<ResourceIDType>		An ONIX controlled value specifying a scheme from which a resource identifier is taken	1
9		<IDTypeName>		A name of a proprietary scheme, if applicable	0-1
10		<IDValue>		An identifier value, from the specified scheme	1
11	<ResourceDetail>			A free text string carrying resource detail, which may include a title. Either <Title> or <ResourceDetail> may be present, but not both. The <ResourceDetail> element allows unstructured legacy data to be used to specify a resource in a distribution.	0-1
12	<Title>			A title of a resource	0-1
13		<TitleType>		An ONIX controlled value specifying the type of a title	0-1
14		<TitleText>		The text of the title	1
15		<Subtitle>		A subtitle associated with a title	0-1
16	<Contributor>			A composite naming a single author or other contributor in a structured form	0-n
17		<ContributorRole>		An ONIX controlled value specifying a role that is played by a contributor to a resource, eg <i>author</i>	0-n
18		<ContributorIdentifier>		A composite that carries an identifier of a contributor; repeatable only if a contributor has two or more identifiers taken from different schemes: each instance of the <Contributor> composite must carry either a <Contributor Identifier> or a name or both.	0-n
19		<ContributorIDType>		An ONIX controlled value specifying a scheme from which a contributor identifier is taken	1
20		<IDTypeName>		A name of a proprietary scheme, if applicable	0-1
21		<IDValue>		An identifier value from a specified scheme	1

22		<PersonName>		A composite that specifies a name of a person	0-n
23			<PersonNameForm>	An ONIX controlled value identifying a form of a person name: the default is “unspecified”, but the inclusion of this element will make it possible in future to control the format of person names, if so required	0-1
24			<Name>	A name of a person, in the form specified, if <PersonNameForm> is included	1
25		<OrganizationName>		A composite that specifies a name of an organization	0-n
26			<OrganizationNameForm>	An ONIX controlled value identifying a form of an organization name: the default is “unspecified”, but the inclusion of this element will make it possible in future to control the format of organization names, if so required	0-1
27			<Name>	A name of a person, in the form specified, if <OrganizationNameForm> is included	1
28	<Publisher>			An element containing the name(s) of publisher(s) of a resource in free text form	0-1
29		<PublishingRole>		An ONIX controlled value specifying a role that is played by a publisher of a resource	0-n
30		<PublisherIdentifier>		A composite that carries an identifier of a publisher; repeatable only if a publisher has two or more identifiers taken from different schemes: either a <PublisherIdentifier> or a <Name> (or both) must be present in any instance of the <Publisher> composite	0-n
31			<PublisherIDType>	An ONIX controlled value specifying a scheme from which a publisher identifier is taken	1
32			<IDTypeName>	A name of a proprietary scheme, if applicable	0-1
33			<IDValue>	An identifier value from a specified scheme	1
34			<Name>	A name of a publisher	0-1
35	<Imprint>			A composite that identifies and/or names an imprint or brand in a structured form	0-1
36		<ImprintIdentifier>		A composite that carries an identifier of an imprint or brand; repeatable only if an imprint has two or more identifiers taken from different schemes: either an <ImprintIdentifier> or a <Name> (or both) must be present in any instance of the <Imprint> composite	0-n
37			<ImprintIDType>	An ONIX controlled value specifying a scheme from which an imprint identifier is taken	1
38			<IDTypeName>	A name of a proprietary scheme, if applicable	0-1
39			<IDValue>	An identifier value from a specified scheme	1
40			<Name>	A name of an imprint or brand	0-1

41	<ResourcePart>				0-1
42		<ResourceIdentifier>		A composite that carries a unique identifier of a resource; repeatable only if a resource has two or more identifiers taken from different schemes: in the absence of a <ResourceIdentifier>, either a <Title> or a <ResourceDetail> element must be sent	0-n
43			<ResourceIDType>	An ONIX controlled value specifying a scheme from which a resource identifier is taken	1
44			<IDTypeName>	A name of a proprietary scheme, if applicable	0-1
45			<IDValue>	An identifier value, from the specified scheme	1
46		<ResourceDetail>		A free text string carrying resource detail, which may include a title. Either <Title> or <ResourceDetail> may be present, but not both. The <ResourceDetail> element allows unstructured legacy data to be used to specify a resource in a distribution.	0-1
47		<Title>			0-1
48			<TitleType>	An ONIX controlled value specifying the type of a title	0-1
49			<TitleText>	The text of the title	1
50			<Subtitle>	A subtitle associated with a title	0-1
51		<Contributor>			0-n
52			<ContributorRole>	An ONIX controlled value specifying a role that is played by a contributor to a resource, eg <i>author</i>	0-n
53			<ContributorIdentifier>	Composite, as in lines 18 to 21.	0-n
54			<PersonName>	Composite, as in lines 22 to 24	0-n
55			<OrganizationName>	Composite, as in lines 25 to 27	0-n
56	<UsageType>			A usage of a resource in respect of which a distribution is made: either (a) an ONIX controlled value specifying a usage as a dictionary term, or (b) a label assigned in a Usage Definition to identify a usage	0-n
57	<UsageQuantity>			A composite that carries a usage quantity	0-n
58		<MeasureUnit>		An ONIX controlled value that specifies a unit of measurement	1
59		<Quantity>		A numeric quantity	1
60	<ResourceDistributionAmount>			A composite that carries an amount related to a resource within a distribution	1-n
61		<DistributionAmountType>		An ONIX controlled value specifying a type of an amount: note that any specified type can occur only once within a single instance of the <DistributionByResource> composite	1
62		<Amount>		A monetary amount as a decimal number, negative if the amount is a deduction	1

63		<UnitRate>		A monetary amount as a decimal number, representing the rate (per unit specified in <UsageQuantity>, line 57) at which the <Amount> is calculated, before the addition or deduction of tax in lines 67 to 73.	0-1
64		<CurrencyCode>		An ISO code identifying a currency in which a monetary amount is stated, if different from the default declared in the header	0-1
65		<Percentage>		A decimal numeric value between 0 and 100 representing a percentage, if an amount is calculated as a percentage of another amount	0-1
66		<PercentageOfAmount Type>		An ONIX controlled value specifying a type of a Distribution Amount against which a percentage is calculated, to link the percentage to the relevant Distribution Amount, which must be within this instance of the <DistributionBy Resource> composite; values as for <DistributionAmountType>	0-1
67		<Tax>		A composite specifying tax applicable to a payment amount	0-n
68			<TaxType>	An ONIX controlled value specifying a tax type, eg VAT, self-billing VAT	0-1
69			<TaxRateCode>	An ONIX controlled value specifying a tax rate	0-1
70			<TaxRatePercentage>	A tax rate stated as a percentage	0-1
71			<TaxableAmount>	The portion of the payment amount that is subject to a specified tax, expressed as an absolute amount: default is the whole amount	0-1
72			<TaxAmount>	The amount of tax	1
73		<AmountAfterTax>		The amount after tax if any, negative if the amount is a deduction	0-1
74		<PaymentShareDueTo>		A composite specifying a rights controller, or a class of rights controller, and its share of a payment	0-n
75			<RelatedAgent>	An ONIX controlled value specifying an agent class, eg authors: used when a share is allocated to a class of rights controller	0-1
76			<AgentIdentifier>	A composite that carries an identifier of an agent, used when a share is allocated to a single specified rights controller; repeatable only if an agent has two or more identifiers taken from different schemes	0-n
77			<AgentIDType>	An ONIX controlled value identifying a scheme from which an agent identifier is taken	1
78			<IDTypeName>	A name of a proprietary scheme, if applicable	0-1
79			<IDValue>	An identifier value, from a specified scheme	1
80			<Name>	A name of an agent: used when a share is allocated to a single specified rights controller	0-1
81			<PaymentShare Percentage>	A payment share expressed as a percentage: either <PaymentShare Percentage> or <PaymentShareAmount>, or both, must be present	0-1
82			<PaymentShareAmount>	A payment share expressed as an absolute amount	0-1

83	<DeductionAtSource>			A composite that specifies “for information” an amount that was deducted at the source of a distribution, and is not therefore part of the calculation sequence of resource distribution amounts	0-n
84		<DeductionType>		An ONIX controlled value specifying the type of a deduction-at-source	1
85		<DeductionAmount>		A monetary amount as a positive decimal number	1
86		<CurrencyCode>		An ISO code identifying a currency in which the deduction-at-source <Amount> is stated, if different from the default declared in the header	0-1

7.2 DistributionByResourceClass

1	<DistributionByResourceClass>			Supporting details for a distribution that is broken down by resource class ("genre") only (expansion of line 36 on page 8)	0-n
2	<SourceDistributionLabel>			A label assigned to a source in a SourceDistributionDefinition for the purposes of this distribution	0-1
3	<ResourceCategory>			A composite that specifies a category to which a resource belongs	1-n
4		<ResourceCategoryType>		An ONIX controlled value specifying a scheme from which a resource category is taken	1
5		<CategoryTypeName>		A name of a proprietary scheme, if applicable	0-1
6		<CategoryValue>		A category value from a specified scheme	1
7	<UsageType>			A usage of a resource class in respect of which a distribution is made: either (a) an ONIX controlled value specifying a usage as a dictionary term, or (b) a label assigned in a Usage Definition to identify a usage	0-n
8	<UsageQuantity>			A composite that carries a usage quantity	0-n
9		<MeasureUnit>		An ONIX controlled value that specifies a unit of measurement	1
10		<Quantity>		A numeric quantity	1
11	<ResourceClassDistributionAmount>			A composite that carries an amount related to a resource class within a distribution: each instance of <DistributionByResourceClass> must carry either one or more occurrences of <ResourceClassDistribution Amount>, or one occurrence of <ResourceClassDistribution Percentage>, but not both.	1-n
12		<DistributionAmountType>		An ONIX controlled value specifying a type of an amount: note that any specified type can occur only once within a single instance of <DistributionByResourceClass>	1
13		<Amount>		A monetary amount as a decimal number, negative if the amount is a deduction	1
14		<UnitRate>		A monetary amount as a decimal number, representing the rate (per unit specified in <UsageQuantity>, line 8) at which the <Amount> is calculated, before the addition or deduction of tax in lines 18 to 24.	0-1
15		<CurrencyCode>		An ISO code identifying a currency in which a monetary amount is stated, if different from the default declared in the header	0-1
16		<Percentage>		A decimal numeric value between 0 and 100 representing a percentage, if an amount is calculated as a percentage of another amount	0-1
17		<PercentageOfAmountType>		An ONIX controlled value specifying a type of a Distribution Amount against which a percentage is calculated, to link the percentage to the relevant Distribution Amount, which must be within this instance of the <DistributionByResourceClass> composite; values as for <DistributionAmountType>	0-1

18		<Tax>		A composite specifying tax applicable to a payment amount	0-n
19		<TaxType>		An ONIX controlled value specifying a tax type, eg VAT, self-billing VAT	0-1
20		<TaxRateCode>		An ONIX controlled value specifying a tax rate	0-1
21		<TaxRatePercentage>		A tax rate stated as a percentage	0-1
22		<TaxableAmount>		The portion of the payment amount that is subject to a specified tax, expressed as an absolute amount: default is the whole amount	0-1
23		<TaxAmount>		The amount of tax	1
24		<AmountAfterTax>		The amount after tax if any, negative if the amount is a deduction	0-1
25		<PaymentShareDueTo>		A composite specifying a rights controller, or a class of rights controller, and its share of a payment	0-n
26		<RelatedAgent>		An ONIX controlled value specifying an agent class, eg authors: used when a share is allocated to a class of rights controller	0-1
27		<AgentIdentifier>		A composite that carries an identifier of an agent, used when a share is allocated to a single specified rights controller; repeatable only if an agent has two or more identifiers taken from different schemes	0-n
28		<AgentIDType>		An ONIX controlled value identifying a scheme from which an agent identifier is taken	1
29		<IDTypeName>		A name of a proprietary scheme, if applicable	0-1
30		<IDValue>		An identifier value, from a specified scheme	1
31		<Name>		A name of an agent: used when a share is allocated to a single specified rights controller	0-1
32	<PaymentSharePercentage>		A payment share expressed as a percentage: either <PaymentSharePercentage> or <PaymentShareAmount>, or both, must be present	0-1	
33	<PaymentShareAmount>		A payment share expressed as an absolute amount	0-1	
34	<ResourceClassDistributionPercentage>		The amount of a by-resource-class payment expressed as a percentage of the total net amount for the distribution	0-1	
35	<DeductionAtSource>		A composite that specifies "for information" an amount that was deducted at the source of a distribution, and is not therefore part of the calculation sequence of resource class distribution amounts	0-n	
36	<DeductionType>		An ONIX controlled value specifying the type of a deduction-at-source	1	
37	<DeductionAmount>		A monetary amount as a positive decimal number	1	
38	<CurrencyCode>		An ISO code identifying a currency in which the deduction-at-source <Amount> is stated, if different from the default declared in the header	0-1	

7.2 DistributionByAccount

1	<DistributionByAccount>			Supporting details for a distribution that is broken down by individual accounts (expansion of line 37 on page 8), each of which may be further broken down by resource or by source	0-n	
2	<AccountIdentifier>			A composite that carries a unique identifier of an account; repeatable only if an account has two or more identifiers taken from different schemes (eg the sender's and the receiver's account ID)	1-n	
3		<AccountIDType>		An ONIX controlled value specifying a scheme from which an account identifier is taken	1	
4		<IDTypeName>		A name of a proprietary scheme, if applicable	0-1	
5		<IDValue>		An identifier value, from the specified scheme	1	
6		<AccountRelatedAgent>			A composite that specifies an agent that is related to an account: one instance is commonly used to specify a publisher or other rights controller associated with an account	0-n
7	<AccountAgentRelator>			An ONIX controlled value specifying a relationship of an agent to an account, eg IsAccountFor (typically an author or publisher)	1	
8	<AgentIdentifier>				A composite that carries an identifier of an agent; repeatable only if an agent has two or more identifiers taken from different schemes	0-n
9			<AgentIDType>		An ONIX controlled value identifying a scheme from which an agent identifier is taken	1
10			<IDTypeName>		A name of a proprietary scheme, if applicable	0-1
11			<IDValue>		An identifier value, from a specified scheme	1
12	<Name>			A name of an agent or agent class	0-1	
13	<AccountDistribution Amount>			A composite that carries an amount related to an account within a distribution	1-n	
14		<DistributionAmountType>		An ONIX controlled value specifying a type of an amount: note that any specified type can occur only once as an Account Distribution Amount within a single instance of the <DistributionByAccount> composite	1	
15		<Amount>		A monetary amount as a decimal number, negative if the amount is a deduction	1	
16		<CurrencyCode>		An ISO code identifying a currency in which a monetary amount is stated, if different from the default declared in the header	0-1	
17		<Percentage>		A decimal numeric value between 0 and 100 representing a percentage, if an amount is calculated as a percentage of another amount	0-1	
18		<PercentageOfAmount Type>		An ONIX controlled value specifying a type of a Distribution Amount against which a percentage is calculated, to link the percentage to the relevant Distribution Amount, which must be within this instance of the <DistributionByAccount> composite; values as for <DistributionAmountType>	0-1	

19		<Tax>		A composite specifying tax applicable to a payment amount	0-n
20			<TaxType>	An ONIX controlled value specifying a tax type, eg VAT, self-billing VAT	0-1
21			<TaxRateCode>	An ONIX controlled value specifying a tax rate	0-1
22			<TaxRatePercentage>	A tax rate stated as a percentage	0-1
23			<TaxableAmount>	The portion of the payment amount that is subject to a specified tax, expressed as an absolute amount: default is the whole amount	0-1
24			<TaxAmount>	The amount of tax	1
25		<AmountAfterTax>		The amount after tax if any, negative if the amount is a deduction	0-1
26	<DetailByResource>			Supporting details for individual titles under an account: expansion as for <DistributionByResource>	0-n
27	<DetailByResourceClass>			Supporting details for resource classes (“genres”) under an account: expansion as for <DistributionByResourceClass>	0-n
28	<DetailBySource Distribution>			Supporting details for an amount that is neither resource-specific nor genre-specific, but is described only in terms of the source distribution from which it is derived	0-n
29		<SourceDistributionLabel>		A label assigned to a source in a SourceDistributionDefinition for the purposes of this distribution	1
30		<SourceDistribution Amount>		A composite that carries an amount related to a source distribution	1-n
31			<DistributionAmountType>	An ONIX controlled value specifying a type of an amount: note that any specified type can occur only once within a single instance of the <DetailBySourceDistribution> composite	1
32			<Amount>	A monetary amount as a decimal number, negative if the amount is a deduction	1
33			<CurrencyCode>	An ISO code identifying a currency in which a monetary amount is stated, if different from the default declared in the header	0-1
34			<Percentage>	A decimal numeric value between 0 and 100 representing a percentage, if an amount is calculated as a percentage of another amount	0-1
35			<PercentageOfAmount Type>	An ONIX controlled value specifying a type of a Distribution Amount against which a percentage is calculated, to link the percentage to the relevant Distribution Amount, which must be within this instance of the <DistributionBy Account> composite; values as for <DistributionAmountType>	0-1
36			<Tax>	A composite specifying tax applicable to a payment amount: expansion as in line 19 above	0-n
37			<AmountAfterTax>	The amount after tax if any, negative if the amount is a deduction	0-1
38			<PaymentShareDueTo>	A composite specifying a rights controller, or class of rights controller, and its share of a payment: expansion as in <DistributionByResource> and <DistributionByResourceClass>	0-n

8. ONIX-DS DistributionPayment

1	<DistributionPayment>				0-n
2	<DistributionPayment Type>			An ONIX controlled value specifying a type of a distribution payment	0-1
3	<DistributionPayment Identifier>			A composite that carries an identifier of a payment; repeatable only if a payment has two or more identifiers taken from different schemes (eg a payer's reference and a cheque number)	1-n
4		<DistributionPaymentID Type>		An ONIX controlled value specifying a scheme from which a distribution payment identifier is taken	1
5		<IDTypeName>		A name of a proprietary scheme, if applicable	0-1
6		<IDValue>		An identifier value, from the specified scheme	1
7	<DistributionPayment Description>			A title or description that the sender gives to a payment	0-1
8	<PaymentRelatedAgent>			A composite that specifies an agent that is related to a payment: two instances are mandatory to specify the payer and payee	2-n
9		<PaymentAgentRelator>		An ONIX controlled value specifying a relationship of an agent to a payment, eg payer, payee	1
10		<AgentIdentifier>		A composite that carries an identifier of an agent or agent class; repeatable only if an agent has two or more identifiers taken from different schemes	0-n
11			<AgentIDType>	An ONIX controlled value identifying a scheme from which an agent identifier is taken	1
12			<IDTypeName>	A name of a proprietary scheme, if applicable	0-1
13			<IDValue>	An identifier value, from a specified scheme	1
14		<Name>		A name of an agent or agent class	0-1
15	<PaymentRelatedTime Point>			A composite that specifies a date that is related to a payment, eg the payment date	0-n
16		<PaymentTimePoint Relator>		An ONIX controlled value specifying a relationship of a time point to a payment	1
17		<TimePointIdentifier>		A composite that carries an identifier of a time point	1
18			<TimePointIDType>	An ONIX controlled value specifying a form of a time point identifier, eg YYYY	1
19			<IDValue>	A time point identifier in a specified form	1

20	<PaymentAmount>			A composite that carries a payment amount	1-n
21		<PaymentAmountType>		An ONIX controlled value specifying a type of a payment amount: note that any specified type can occur only once within a single instance of the <DistributionPayment> composite	1
22		<Amount>		A monetary amount as a decimal number, negative if the amount is a deduction	1
23		<CurrencyCode>		An ISO code identifying a currency in which a monetary amount is stated, if different from the default declared in the header	0-1
24		<Percentage>		A decimal numeric value between 0 and 100 representing a percentage, if an amount is calculated as a percentage of another amount	0-1
25		<PercentageOfAmount Type>		An ONIX controlled value specifying a type of a Payment Amount against which a percentage is calculated, to link the percentage to the relevant Payment Amount, which must be within this instance of the <DistributionPayment> composite; values as for <PaymentAmount Type>	0-1
26		<Tax>		A composite specifying tax applicable to a payment amount	0-n
27			<TaxType>	A controlled value specifying a tax type, eg VAT, self-billing VAT	0-1
28			<TaxRateCode>	A controlled value specifying a tax rate	0-1
29			<TaxRatePercentage>	A tax rate stated as a percentage	0-1
30			<TaxableAmount>	The portion of the payment amount that is subject to a specified tax, expressed as an absolute amount: default is the whole amount	0-1
31			<TaxAmount>	The amount of tax charged	1
32		<AmountAfterTax>		The amount after tax if any, negative if the amount is a deduction	0-1
33	<DistributionIdentifier>			A composite that identifies a Distribution that is included in a payment	1
34		<DistributionIDType>		An ONIX controlled value specifying a scheme from which a distribution identifier is taken	1
35		<IDTypeName>		A name of a proprietary scheme, if applicable	0-1
36		<IDValue>		An identifier value, from the specified scheme	1

9. ONIX-DS Trailer

1	<Trailer>			A composite that carries control totals to enable the integrity of the message to be checked	0-1
2	<ControlTotal>			A composite that carries a control total	1-n
3		<ControlTotalType>		An ONIX controlled value that specifies a type of a control total	1
4		<ControlTotalValue>		A decimal numeric value that represents a control total	1