



oaswitchboard

Message Structure Changes
Confirmation of iteration 2023/#3

7 November 2023

How to read this document:

Per topic:

- Indicated with a **green arrow**  what was already in place
- Indicated with a **red arrow**  what is added/changed as part of this iteration

Note: An updated overview of all current data fields with definitions (and indication if they are mandatory) is available from our repository: <https://bitbucket.org/oaswitchboard/api/src/master/messages/>

Approval of 'Charges'

Within 'charges':

New element **approval**, most logical in case of PA, but optional in NPA. This could be extended with other fields in the future.

```
“transaction”: {  
  “status” : “finished”,  
  “date” : “YYYY-MM-DD”.  
  “invoicnr” : “xxxx”  
}
```

Existing field(s):

transaction.date, defined as date of the transaction
(in case of a financial, article-level transaction, in both PA & NPA scenario)

```
“approval” : {  
  “date” : “YYYY-MM-DD”,  
  “comment” : “lorem ipsum”  
}
```

New field(s):

approval.date, defined as the date the client agreed this article was 'charged' to them

approval.comment, to be used for additional (free text) information, e.g. how, who

Publication Funders

```
“charges”: {  
  “charged”: true,
```

```
  “publicationfunders”: [{  
    “name”: “Institution X”,  
    “ror”: “https://ror.org/999999”,  
    “comment”: “lorem ipsum”
```

```
  ]
```

```
}
```

Within ‘charges’:

New element **publicationfunders**

New fields:

publicationfunders.name, defined as the entity who picked up the charges

publicationfunders.ror, defined as the ROR of this entity

publicationfunders.comment

Note: charges section will be stripped for a P1-PIO

Note: publicationfunders can be repeated (if there is more than one publication funder for the one article, e.g. in case of split/shared charges)

Startdate article-level license

```
“vor”: {  
  “publication”: “Hybrid journal”,  
  “license”: “CC BY”,  
  “startdate”: “YYYY-MM-DD”  
}
```

Within ‘vor’:

New field:

vor.startdate, defined as the date the article-level license goes into effect



Journal level comment

Within 'journal':

New field:

journal.typecomment, defined as a journal-level specific piece of information from the publisher. This is a free text field to allow for journal level comment such as Diamond, S2O, society, partner journal, etc.

Note: Via the NISO Working Group we expect more discussion and standardization on how to treat non-APC based models such as 'diamond'. Having this field as free text field is therefore acceptable now, but may change later.

"publication": "pure OA journal"

"typecomment": "Diamond"

Other examples:

"publication": "pure OA journal"

"typecomment": "Subscribe To Open"

"publication": "hybrid"

"typecomment": "society journal"



Funders and grants

```
"funders": [{
```

```
  "name": "Aragorn Foundation",
```

```
  "ror": "https://ror.org/999999",
```

```
  "fundref": "xxxxxxxxx" ←
```

```
},
```

```
{
```

```
  "name": "Middle-Earth Thinktank",
```

```
  "ror": "https://ror.org/888888"
```

```
}
```

```
],
```

```
"acknowledgement": "This work has been funded by the US Department of Energy, Office of Science, Office of Biological and Environmental Research program under award no. DE-SC001.....",
```

Within 'article':

Existing field(s):

funders.fundref = alternative identifier, supported since V2

acknowledgement, defined as funding/attribution statement (e.g. the full text of the acknowledgement section), as (to be) printed in the VoR'

```
"grants": [{
```

```
  "name": "Generous grant",
```

```
  "id": "GD-000-001",
```

```
  "doi": "https://doi.org/10.37717/220020589" ←
```

```
}],
```

Within 'grants':

New field:

grants.doi, defined as the DOI for a grant

Name vs Source Affiliation

```
- <aff id="I1">
  <sup>1</sup>
  <addr-line>Department of Orthopaedics</addr-line>
  <addr-line>Tianjin Hospital</addr-line>
  <addr-line>Tianjin 300211</addr-line>
  <country>China</country>
  <ext-link ext-link-type="domain-name">tjorthop.org</ext-link>
</aff>
- <aff id="I2">
  <sup>2</sup>
  <addr-line>Qingdao Central Hospital</addr-line>
  <addr-line>Qingdao 266042</addr-line>
  <country>China</country>
  <ext-link ext-link-type="domain-name">qdzxyy.com</ext-link>
</aff>
- <aff id="I3">
  <sup>3</sup>
  <addr-line>School of Optical-Electrical and Computer Engineering</addr-line>
  <addr-line>University of Shanghai for Science and Technology</addr-line>
  <addr-line>Shanghai 200093</addr-line>
  <country>China</country>
  <ext-link ext-link-type="domain-name">usst.edu.cn</ext-link>
</aff>
```

Within 'institutions':

Keep all info from the source.

Existing field:

institutions.name, defined as 'name of the institution' (=standardized naming convention as per ROR registry)

Existing field:

affiliation, defined as affiliation(s) of author x (as (to be) printed in the VoR)

New field(s):

institutions.sourceaffiliation, defined as full/all name information from the source (e.g. JATS XML)

institutions.country, defined as the country of the institutions as derived from ror, in ISO code

Note: these (optional) fields not only in institution, but also for research funders

"institutions": [

```
{
  "sourceaffiliation": "Department of Cardiology, Shanghai Institute of
  Cardiovascular Diseases, Zhongshan Hospital, Fudan University, Shanghai, China",
  "name": "Fudan University",
  "ror": "https://ror.org/013q1eq08"
  "country": "CN"
}
```

],

Corresponding author history

Within 'authors':

Deal with the fact that an author can fulfill a different role re. 'correspondence' at different stages of the editorial process. To get insight in this is relevant for deals, publication funders, research funder policies, editorial integrity, etc.

```
“authors”: [  
  {  
    “lastname”: “xxxxx”,  
    “firstname”: “xxxxxx”,  
    “listingorder”: 1,  
    “listingorderAtAcceptance”: 4,  
    “listingorderAtSubmission”: 4,  
    “isCorrespondingAuthor” : true,  
    “isCorrespondingAuthorAtAcceptance”: false  
    “isCorrespondingAuthorAtSubmission”: false  
  },  
  {  
    “lastname”: “yyyyy”,  
    “firstname”: “yyyyyy”,  
    “listingorder”: 2,  
    “listingorderAtAcceptance”: 2,  
    “listingorderAtSubmission”: 2,  
    “isCorrespondingAuthor” : false,  
    “isCorrespondingAuthorAtAcceptance”: true  
    “isCorrespondingAuthorAtSubmission”: false  
  }  
],
```

Existing field(s):

authors.listingorder, defined as listing order at VOR publication
authors.isCorrespondingAuthor, defined as corresponding author at VOR publication

New field(s):

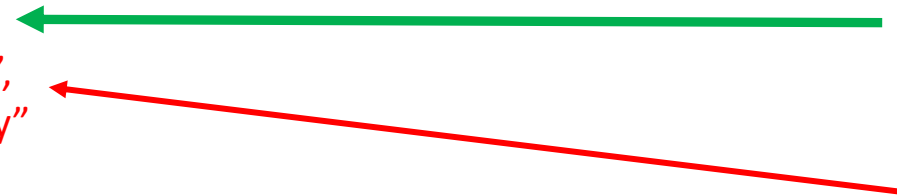
authors.listingorderAtAcceptance
authors.listingorderAtSubmission
authors.isCorrespondingAuthorAtAcceptance
authors.isCorrespondingAuthorAtSubmission

Journal Identifiers

Within 'journal':

Separate out ISSN and eISSN (but always keep one of the two in the existing ID field as well, as this is the mandatory field)

```
"journal": {  
  "id": "xxxxx",  
  "issn": "xxxxx",  
  "eissn": "yyyyy"  
}
```



Existing field:

journal.id, defined as ISSN of journal (can be ISSN or eISSN)

New field(s):

journal.issn, defined as ISSN

journal.eissn, defined as eISSN

Information on 'when' in workflow the P1-message is sent

The P1-message is the 'Publication/Payment Settlement Notification'. See also Q19 in our FAQs.

It is currently also used by some publishers to send notifications at other than VoR stage (both before, and after).

It also seems desirable to send and receive update-messages sequentially. Especially when the crucial 'charge-to) information is not available at VoR publication, but only some time later. But also during the editorial process, e.g. to confirm the corresponding author at acceptance.

While the P1-message structure as such lends itself for that purpose, it is not immediately clear if a P1-message is sent with values valid for the VoR, or not.

A new non-mandatory field has been introduced at the highest level, to provide information on 'timing' in the workflow that the P1-message is sent, with a pick-list of two options:

1. pre-VoR, defined as AO or SMUR or AM or P (as per NISO Jats JAV)
2. VoR, defined as VoR or CVoR or EVoR (as per NISO Jats JAV)

Label in form (UI)	Field in JSON scheme	Description	Type
Timing	timing	Timing in the workflow that the P1-message is sent	Select from pick list P1.12.
<i>section: Author x</i>	<i>authors</i>		
Last Name	lastName	last name of author x	free text
First Name	firstName	first name of author x	free text
Initials	initials	initials of author x	free text
ORCID	ORCID	ORCID of author x	free text

Date fields usage:

only a request to be consistent (agree how to use this free text field)

```
“manuscript”: {  
  “dates”: {  
    “submission” : “2023-01-20”,  
    “acceptance” : “2023-02-05”,  
    “publication” : “2023-03-21”  
  }  
}
```



Preferred format

YYYY-MM-DD or YYYYMMDD (ISO8601)

Do not use

DD-MM-YYYY

MM-DD-YYYY

Note: Ultimate aim is to use the ISO8601 standard, and not free text. We'll do this when implementing more/other changes (as a result of the NISO Working Group), and not now (as we're trying to avoid an API-update now).