

# Proposal to add a FLOAT state indication to MOS Protocol

## Version 3.0

### Changelog:

1. Changed <floated> to <storyFloated>
2. Moved <storyFloated> outside of <storyBody> block in roStorySend message
3. Changed accepted values for <storyFloated> to "TRUE" or "FALSE"
4. Added exception for <roStoryDelete>, <roStorySwap>, <roStoryMove>, <roStoryMoveMultiple> and their equivalent <roElementAction> messages

### Proposal:

There may be a need of sending floated/skipped stories in the MOS Active running order to MOS Device.

This will allow target MOS Device to treat the floated stories as active stories with all related MOS updates. Floated stories which are being sent by NRCS to MOS Device needs to be visually differentiated from the active stories and the story duration shouldn't be taken into account on both sides.

### From the NRCS perspective:

There needs to be a configuration option which would enable/disable the process of sending floated stories to the MOS Device.

When enabled, roStory family of messages, except for <roStoryDelete>, <roStorySwap>, <roStoryMove>, <roStoryMoveMultiple> and their equivalent <roElementAction>, would have a new MOS tag called **storyFloated**

This tag also needs to be included in the roConstruction family of messages to cover the case of running order which already has floated stories inside - prior to MOS Activation.

- Accepted values for the <storyFloated> element are either "TRUE" or "FALSE"
- When the story is floated in a MOS Active running order, NRCS sends roStoryReplace or <roElementAction operation="REPLACE"> with <storyFloated> having value="TRUE"
- <roStoryDelete> and <roElementAction operation="DELETE"> messages will be left intact. An NRCS will send one of these messages when story is removed from the running order.

## Message Examples:

An <roStoryReplace> message would look like as follows:

```
<mos>
  <mosID>aircache.newscenter.com</mosID>
  <ncsID>ncs.newscenter.com</ncsID>
  <messageID>567</messageID>
  <roStoryReplace>
    <roID>5PM</roID>
    <storyID>2</storyID>
    <story>
      <storyID>2</storyID>
      <storySlug>Hotel Fire</storySlug>
      <storyNum>C1</storyNum>
      <storyFloated>TRUE</storyFloated>
    </story>
  </roStoryReplace>
</mos>
```

The <roStorySend> message would look like as follows:

```
<mos>
  <mosID>prompt.station.com</mosID>
  <ncsID>ncs.station.com</ncsID>
  <messageID>507891</messageID>
  <roStorySend>
    <roID>96857485</roID>
    <storyID>5983A501:0049B924:8390EF1F</storyID>
    <storySlug>Show Open</storySlug>
    <storyNum>C8</storyNum>
    <storyFloated>TRUE</storyFloated>
    <storyBody>
      <storyPresenter>Suzie</storyPresenter>
      <storyPresenterRR>10</storyPresenterRR>
    </storyBody>
  </roStorySend>
</mos>
```

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