VERA online player interface definition v1.0

11.3.2019

1. FromPlayer.ReadyNotification

Player → Host

Announcing Load Complete and sending the major part of version of the interface this player understands (see above: starting by publishing this document with '1')

```
{
    type: 'vo.FromPlayer.ReadyNotification';
    version: number;
}
```

2. ToPlayer.DataTransfer

Host → Player

Answering 'vo.FromPlayer.ReadyNotification', sending start data

```
{
    type: 'vo.ToPlayer.DataTransfer';
    sessionId: string;
    unitDefinition: string;
    restorePoint?: string;
    unitNumber?: string;
    unitTitle?: string;
}
```

3. FromPlayer.StartedNotification

Player → Host

Announcing start of response time

```
{
    type: 'vo.FromPlayer.StartedNotification';
    sessionId: string;
    validPages?: string[];
    currentPage?: string;
    presentationComplete?: 'yes' | 'no';
    responsesGiven?: 'yes' | 'no' | 'all';
}
```

4. FromPlayer.ChangedDataTransfer

Player → Host

Announcing data change to be stored or otherwise to taken into account; the responseType describes the data of the response and will be used by response converter applications

```
{
    type: 'vo.FromPlayer.ChangedDataTransfer';
    sessionId: string;
    validPages?: string[];
    currentPage?: string;
    restorePoint?: string;
    response?: string;
    responseConverter?: string;
    responseComplete?: boolean;
    presentationComplete?: 'yes' | 'no';
    responsesGiven?: 'yes' | 'no' | 'all';
}
```

5. ToPlayer.NavigateToPage

Host → Player

Requests that the player has to navigate to the given page; newPage is one of the strings given to the host via validPages; completion is announced by the player via vo.FromPlayer.ChangedDataTransfer

```
{
    type: 'vo.ToPlayer.NavigateToPage';
    sessionId: string;
    newPage: string;
}
```

6. FromPlayer.PageNavigationRequest

Player → Host

The player requests the controller to check and send ToPlayer.PageNavigationRequest. newPage is the id of the requested page or "#next"/"#previous".

```
{
    type: 'vo.FromPlayer.PageNavigationRequest';
    sessionId: string;
    newPage: string;
}
```

7. FromPlayer.UnitNavigationRequest

Player → Host

navigationTarget is an sequence-ID of a certain unit or one of these: (unit) "#next", "#previous", "#first", "#last", (booklet) "#end"

```
{
    type: 'vo.FromPlayer.UnitNavigationRequest';
    sessionId: string;
    navigationTarget: string;
}
```