

Appendix A – Standard ItemType Configuration

The appendix defines out-of-the-box *Feeds* for some of Aras Innovator's standard ItemTypes.

Part

Aggregate messages from own *Board*, *Boards* of directly referenced CADs (i.e., first level only without further CAD dependencies), referenced Document *Boards* and *Boards* of first level *Part BOM* children. Shows files only from related CADs and Documents (does not show files from CADs and Documents of first level Part BOM children).

DiscussionTemplate

- *item_selection_depth: 1*
- *file_selection_depth: 1*

Feed 1:

- *feed_type: Board*
- *reference: this*
- *history_events: null*

Feed 2:

- *feed_type: Discussion*
- *reference: "Part CAD(related_id)"*
- *history_events: null*

Feed 3:

- *feed_type: Discussion*
- *reference: "Part Document(related_id)"*
- *history_events: null*

Feed 4:



- *feed_type*: *Discussion*
- *reference*: "Part BOM(*related_id*)"
- *history_events*: *null*

Document

Aggregates messages from own *Board*. Shows own files.

Feed 1:

- *feed_type*: *Board*
- *reference*: *this*
- *history_events*: *null*
- *{related FileSelectors}*:
 - *FS1*:
 - *reference*: "Document File(*related_id*)"
 - *filter*: { ID of "*.pdf" FileType } | {ID of "*.jpg" FileType} | {ID of "*.png" FileType} | {ID of "*.gif" FileType}

CAD Document

Aggregate messages from own *Board*. Shows own files.

Feed 1:

- *feed_type*: *Board*
- *reference*: *this*
- *history_events*: *null*
- *{related FileSelectors}*:
 - *FS1*:
 - *reference*: *view_file*
 - *filter*: {ID of '*.HWF' FileType}
 - *FS2*:
 - *reference*: *viewable_file*
 - *filter*: {ID of '*.pdf' FileType} | {ID of '*.jpg' FileType} | {ID of '*.png' FileType} | {ID of '*.gif' FileType}
 - *FS3*:
 - *reference*: "CADFiles(*attached_file*)"



- *filter: { ID of "*.pdf" FileType } | {ID of "*.jpg" FileType} | {ID of "*.png" FileType} | {ID of "*.gif" FileType}*

Express ECO

Aggregate messages from own *Board* and discussions of all new “change control items” of affected items related to the ECO. Show files from all new “change control items” of affected items related to the ECO. **This is representative of the Feed definition of other Change items, including PR, ECR, ECN, Simple ECO, Simple MCO, Express DCO, and Express EDR.**

DiscussionTemplate

- *item_selection_depth: 2*
- *file_selection_depth: 2*

Feed 1:

- *feed_type: Board*
- *reference: this*
- *history_events: null*

Feed 2:

- *feed_type: Discussion*
- *reference: ="Express ECO" id="{id}" action="SSVC_GetECOAffectedControlParts"/>*
- *history_events: null*
- *polysource_type_name: Part*

Feed 3:

- *feed_type: Discussion*
- *reference: ="Express ECO" id="{id}" action="SSVC_GetECOAffectedControlCADs"/>*
- *history_events: null*
- *polysource_type_name: CAD*

Feed 4:

- *feed_type: Discussion*



- *reference: ="Express ECO" id="{id}" action="SSVC_GetECOAffectedControlDocs"/>*
- *history_events: null*
- *polysource_type_name: Document*

Notes:

- Internally all three methods must call the same “internal” parameterized method where the type of the polysource is the method parameter.
- Here is pseudo-code for the method:

```
if (new_item_id != null)
{
    if (affected_id != null && affected.config_id != new_item_id.config_id)
    {
        return messages from both affected_id and new_item_id
    }
    else
    {
        return messages only from new_item_id
    }
}
else
{
    Return messages only from affected_id
}
```

Important

It is recommended to make the Methods OS agnostic to use them with different operating systems. The main incompatibility issues in operating systems that need to be considered when implementing the methods are related to file path case-sensitivity, file path separators, OS-specific line-endings, OS-specific code. For more information about cross-platform development please see section 2.3 Cross-platform development in the Aras Innovator 40 - Programmer's Guide.

