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| **OVERVIEW** | **FIELDS** |
| There are 3 new view definition types:   * Task Views * Grid Views * Creation View   {  "**guidance**": {  "nameLabels": [],  "helpTopicLabels": [],  "helpTextLabels": []  },  "nameLabels": [],  "**header**": {  "fields": []  },  "**sections**": []  }  **Guidance**  Guidance Text example  "guidance": {  "**nameLabels**": [],  "**name**": "samplehelp",  "**helpTopic**": "This is the title",  "**helpText**": "Please review the following sections:\n\* Process \n\* Risk\n\* Control\n \n a\n\nb here some \*\*bold\*\*\n\n\*here some italic\* \n here a link [Click here for the News in french](http://lemonde.fr) \n\* Bullet 1\n\* Bullet 2\n\* Bullet 3\n "  }  The guidance should support the notion of paragraph and light formatting:   * Bold \*\*Text\*\* * New line \n * a\n\nb new paragraph * Links (static http links) [Text](link) * Bullets \n\* bullet1   **Guidance – expected fields**  Provide a list of fields, only the following types are supported: text, enum, user, date, relationship count, etc  **Header Fields**  The header section will support up to 3 fields: User, Simple text, Enumeration, Date, Count  "**header**": {  "fields": [  ]  **Header Actions**  The header provides you the ability to select the Enum that will perform the action (LCTransition for lifecycle powered objects or any other enum)  **Group**  Groups provide the ability to present fields in column rather than one after another  Group will try to maintain the columns but will switch to a single column if the space does not permit  Groups cannot be in other Groups  And Groups can only contain Object fields (currently no other)  {  "name": "group1",  "type": "group",  "columns": 2,  "fields": [ ]  } | **Fields can be added in:**  **Header (read-only, Guidance, Main Area, relationship)**  **Fields have a set of display types and attributes**  **Color, Button, Progress,**  **Fields can have a set of rules**  **Dates,**  **Colors**    {  "name": "OPSS-Risk-Qual:Residual Risk Rating",  "enumValueColors": [  {"enumValueName": "High", "color": "red"},  {"enumValueName": "Low", "color": "green"},  {"enumValueName": "Medium","color": "yellow"}]  **for Numbers, Currency, Count (relationship fields) Based on Value**  **{**  **"name": "OPSS-KRI:Value",**  **"numberRangeColors": [**  **{"top": 100, "color": "green"},**  **{ "bottom": 100, "top": 200, "color": "yellow"},**  **{"bottom": 200, "color": "red"}**  **]}**  **Button/Link fields**  **"name": "OPSS-QAssessment:RespQuest",**  **"subDisplayType":"Button"**  **Progress Bar**  **Progress bar currently works on numbers and requires Min max to be defined at the field level**  {  "name": "System Fields:Name",  "required": true  "Readonly":true  "subDisplayType":"Progress",  "numberRangeColors": [  { "top": 30, "color": "red" },  { "bottom": 30, "top": 60, "color": "yellow" },  { "bottom": 60, "top": 80, "color": "none" },  { "bottom": 80, "top": 100, "color": "green" }  ]  }  **In-line Guidance**  Provides the ability to insert text within task views just like any other fields  {  "name": "samplehelp",  "type": "help",  "**helpTopic**": "What is important",  "**helpText**": "Please review the controls design effectiveness and operating … overall rating."  },  **The inline guidance does not support formating** |

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| Relationship fields | Relationship fields |
| Relationship fields provide the ability to present other object (related or not) within the view with different rendering  :  Example  {  "name":"Descendant Issues",  "type":"relationship",  "subDisplayType":"Grid", //Grid, Card, Count, Chart, Tree  "objectTypeName":"SOXIssue",  "filterName":"My Open Issues", //Public filter for the onject  "relationshipType":"descendants", //children, parents, descendants,  "relationshipPaths":[ //Only valid if non direct relationship  "SOXControl/KeyRiskIndicator/SOXIssue",  "SOXControl/SOXIssue"],  "actions": [  {  "actionType": "associate",  "name": "Select Risk from Library", //Name of the button  "nameLabels": [],  "multiSelect": true  }  ],  "sortFieldName":"System Fields:Name",  "sortDirection":"Asc",  "fields":[  { "name":"System Fields:Name"} //fields only relevant for Grid, Card, Chart  ]  },  **Count**  Direct and Indirect parent or children with filters, provides drilldown in the grid  {  "name": "Number of Controls",  "type": "relationship",  "nameLabels": [],  "subDisplayType": "Count",  "objectTypeName": "SOXControl",  "relationshipType": "descendants",  "relationshipPaths": [  "RiskAssessment/SOXProcess/SOXRisk/SOXControl"  ],  "numberRangeColors": [ // Color definition based on count value  {"top": 100, "color": "green"},  { "bottom": 100, "top": 200, "color": "yellow"},  {"bottom": 200, "color": "red"}  ]  }  **Tree**  {  "name": "Tree",  "type": "relationship",  "nameLabels": [],  "subDisplayType": "Tree"  } | **Chart**  "subDisplayType":"Chart",  "chartType": "doughnut", //bar, pie, doughnut, horizontalBar  “relationshipType” : “children”,  or “relationshipType” : “parents”,  **Files** (upload, DRAG AND ROP AREA)  {  "name": "Supporting files and artifacts",  "type": "relationship",  "nameLabels": [],  "subDisplayType": "Grid",  "objectTypeName": "SOXDocument",  "sortFieldName": "System Fields:Name",  "sortDirection": "Asc",  "fields": [  {"name": "System Fields:Name"}  ]} |
| Actions in **Relationship fields** |
| Actions can **only** be added to **direct** relationships (Parent or Child)  "associate", "associatePrimary", "addNew", "copyRecursive"  **Association**  Association action (button) can be set to select the primary parent only  {  "actionType": "associate",  "name": " Primary Parent ",  "multiSelect": true,  "primaryParent": false  }  **Add New**  {  "actionType": "addNew",  "name": "New"  }  **Copy Recursive**  Copy in new UI provides the ability to:  Specify the **objects** to copy - Specify the **relationship** to copy - Enforce **auto-naming** at all levels  {  "actionType": "copyRecursive",  "name": "Copy Process from Library",  "nameLabels": [],  "copyRecursive": {  "autoNameChildren": false,  "conflictBehavior": "overwrite",  "types": [  "SOXProcess",  "SOXRisk",  "SOXControl"  ],  "associations": [  {  "parentTypeName": "Requirement",  "childTypeName": "SOXControl"  }  ]  },  "multiSelect": true  }]  **Restricting path** from where object can be selected from  "actionType": "associate",  "name": "Related Risks",  **"**folder**": "/Library",** |

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| Dependencies | Rules | Other |
| State Dependencies  The existing "dependencies" attribute will be narrowed to handle ONLY state dependencies. Type can be "visible", "hidden", "editable", "readOnly", or "required". ControllerName references another field that MUST be in the view.  {  "name": "MyGroup.Any Field",  "rules": [{  "type": "hidden",  "controllerName": "ThatGroup.Another Field"  }]  }  Can also specify "controllers" instead of "controllerName", which supports multiple controllers, and/or, mapping specific values, etc. These can be mixed and matched and combined:  {  "name": "MyGroup.Any Field",  "rules": [  {  "type": "visible",  "condition": "anyOf|anyOf",  "controllers": [  {  "name": "OPSS-Acct:Account Type",  "values": [ "Option1", "Opetion2"]  },  {  "name": "OPSS-Acct:Some Field" // no "values" means any value is good  }  ]  },  {  "type": "required",  "controllerName": "MyGroup-Whatever Field"  }  ]  } | **Integer**  {  "name": "MyGroup.Integer Field",  "rules": [{  "type": "greaterEqual",  "compareTo": "10" // unformatted (no commas)  // also valid: "compareTo": "MyGroup.Another Field"  }]  }  **Decimal**  Any rules value can have multiple rules, all of which will be applied.  {  "name": "MyGroup.Decimal Field",  "rules": [{  "type": "greaterEqual",  "compareTo": "-100"  },{  "type": "lessEqual",  "compareTo": "100" // must be an integer for Wave 1  }]  }  **Currency**  {  "name": "MyGroup.Currency Field",  "rules": [{  "type": "lessEqual",  "compareTo": "1000000" // always compares with base amount  }]  }  **Date**  Date fields can only be compared to the special value "today" for Wave 1 (#31). An optional "offset" can be specified.  {  "name": "MyGroup.Date Field",  "rules": [{  "type": "lessEqual",  "compareTo": "today",  "offset": "30"  }]  }  Static validations can be mixed with dependency validations (for all field types):  {  "name": "MyGroup.Date Field",  "rules": [  {  "type": "lessEqual",  "compareTo": "today", // within the next 30 days  "offset": "30"  },  {  "type": "greater",  "compareTo": "MyGroup.Start Date" // and also after the start date  }  ]  }  **String**  Strings support special syntax for different operations. For String fields, "type" can be "equal" (see above), "minLength", "maxLength", and "pattern".  {  "name": "MyGroup.String Field",  "rules": [{  "type": "minLength| maxLength | equal | pattern ",  "compareTo": "2"  }]  }  for length  "compareTo": "2"  for partern  "compareTo": "^[0-9]{3}-[0-9]{2}-[0-9]{4}$" // supports any valid regex  for Equal  "compareTo": "MyGroup.New Password" | **Internationalization**  In order to set new strings for internationalization  nameLabels": [  {  "locale": "en\_US",  "value": "respview.label.AuditProgram.Task.Audit"  },  **Colors**   |  |  | | --- | --- | | Red-dark |  | | Red |  | | Yellow |  | | Green |  | | Green-dark |  | |  |  | | neutral-darkest |  | | neutral-dark |  | | neutral |  | | neutral-light |  | | neutral-lightest |  |   If no color defined, it will render pills with a light grey |
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Business Entity Parent example

{

"name": "Business Entities",

"type": "relationship",

"nameLabels": [],

"subDisplayType": "Card",

"objectTypeName": "Vendor",

"relationshipType": "parents",

"sortFieldName": "System Fields:Name",

"sortDirection": "Asc",

"actions": [

{

"actionType": "associate",

"name": "Select Business Entity",

"nameLabels": [],

"multiSelect": true

}

],

"fields": [

{

"name": "System Fields:Name",

"nameLabels": [],

"required": true

},

{

"name": "System Fields:Description",

"nameLabels": []

}

]

}

Issue Example

{

"name": "Issues",

"collapsed": true,

"fields": [

{

"name": "Issues",

"type": "relationship",

"nameLabels": [],

"subDisplayType": "Grid",

"objectTypeName": "SOXIssue",

"relationshipType": "children",

"sortFieldName": "System Fields:Name",

"sortDirection": "Asc",

"actions": [],

"fields": [

{

"name": "System Fields:Name",

"nameLabels": [],

"readonly": true,

"required": true

},

{

"name": "System Fields:Description",

"nameLabels": []

},

{

"name": "OPSS-Iss:Priority",

"nameLabels": []

}

]

}