

Powering Your Performance



INNOVATION

ENGINEERING

OPTIMIZATION

Spec Data Dictionary

The screenshot shows a SQL IDE window with the following content:

```

NMART@BMSSPIP/select b.spec_form_cnum, a.format_id, a.column_name, a.heade
from spec_format_attributes a, spec_form b, spec_format c
where b.spec_form_cnum like '2737'
and b.spec_form_id = c.spec_form_id
and a.format_id = c.format_id
order by a.header_text

```

| SPEC_FORM_CNUM | FORMAT_ID | COLUMN_NAME | HEADER TEI |
|----------------|-----------|-------------|------------|
| | | | |

Tables and columns:

Spec_form spec_form_cnum

Spec_format spec_form_id

Spec_format_attributes format_id, column_name, header_text

```

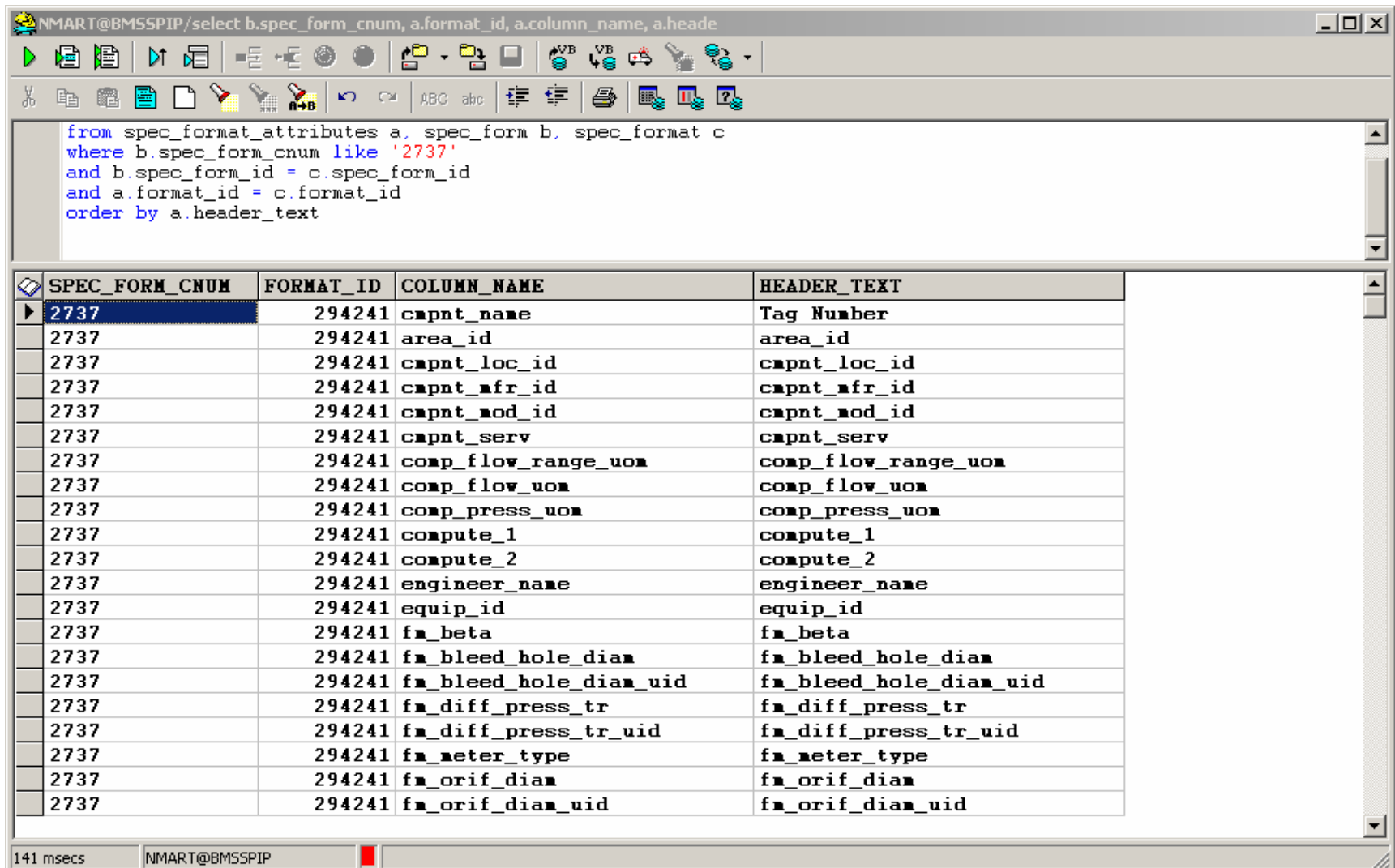
select b.spec_form_cnum, a.format_id, a.column_name, a.header_text
from spec_format_attributes a, spec_form b, spec_format c
where b.spec_form_cnum like '2737'
and b.spec_form_id = c.spec_form_id
and a.format_id = c.format_id
order by a.header_text

```

| Field Header | Template | Browser | Editable in IEE |
|------------------|-------------------------------------|-------------------------------------|-------------------------------------|
| area_id | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| plant_id | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| line_num | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| line_size | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| line_uom | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| line_sched | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| line_i_d | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| spec_note | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| Tag Number | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| cmpnt_serv | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| cmpnt_loc_id | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| equip_id | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| cmpnt_mod_id | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| cmpnt_mfr_id | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| spec_cmpnt_po_no | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| pid_no | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| udt_support_id12 | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| pd_fluid_name | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |

Open the Data Dictionary for the spec form
 Select fields in the Browser column
 And generate form
 This will create records in the
 Spec_format_attributes table

Run query for the spec form - view results and save into Excel



The screenshot shows a database query tool window with the following SQL query:

```
from spec_format_attributes a, spec_form b, spec_format c
where b.spec_form_cnum like '2737'
and b.spec_form_id = c.spec_form_id
and a.format_id = c.format_id
order by a.header_text
```

The results are displayed in a table with the following columns: SPEC_FORM_CNUM, FORMAT_ID, COLUMN_NAME, and HEADER_TEXT. The first row is highlighted.

| SPEC_FORM_CNUM | FORMAT_ID | COLUMN_NAME | HEADER_TEXT |
|----------------|-----------|------------------------|------------------------|
| 2737 | 294241 | capnt_name | Tag Number |
| 2737 | 294241 | area_id | area_id |
| 2737 | 294241 | capnt_loc_id | capnt_loc_id |
| 2737 | 294241 | capnt_mfr_id | capnt_mfr_id |
| 2737 | 294241 | capnt_mod_id | capnt_mod_id |
| 2737 | 294241 | capnt_serv | capnt_serv |
| 2737 | 294241 | comp_flow_range_uom | comp_flow_range_uom |
| 2737 | 294241 | comp_flow_uom | comp_flow_uom |
| 2737 | 294241 | comp_press_uom | comp_press_uom |
| 2737 | 294241 | compute_1 | compute_1 |
| 2737 | 294241 | compute_2 | compute_2 |
| 2737 | 294241 | engineer_name | engineer_name |
| 2737 | 294241 | equip_id | equip_id |
| 2737 | 294241 | fm_beta | fm_beta |
| 2737 | 294241 | fm_bleed_hole_diam | fm_bleed_hole_diam |
| 2737 | 294241 | fm_bleed_hole_diam_uid | fm_bleed_hole_diam_uid |
| 2737 | 294241 | fm_diff_press_tr | fm_diff_press_tr |
| 2737 | 294241 | fm_diff_press_tr_uid | fm_diff_press_tr_uid |
| 2737 | 294241 | fm_meter_type | fm_meter_type |
| 2737 | 294241 | fm_orif_diam | fm_orif_diam |
| 2737 | 294241 | fm_orif_diam_uid | fm_orif_diam_uid |

At the bottom of the window, the status bar shows "141 msec" and "NSMART@BMSSPIP".

| B | C | D | E | F | G |
|---------|-----------|---------------------|-------------------|-------------|---------------------------|
| SPEC_FC | FORMAT_ID | COLUMN_NAME | New Text | Line Number | Data Dictionary Entry (ma |
| 2711 | 4150 | calib_range_min | Calib Rng Min | 39 | 39:Calib Rng Min |
| 2711 | 4150 | calib_range_uom_max | Calib Rng Max | 39 | 39:Calib Rng Max |
| 2711 | 4150 | calib_range_uom_min | Calib Rng Min UOM | 39 | 39:Calib Rng Min UOM |
| 2711 | 4150 | cmpnt_loc_id | Location | 04 | 04:Location |
| 2711 | 4150 | cmpnt_mfr_id | Manufacturer | 53 | 53:Manufacturer |
| 2711 | 4150 | cmpnt_mod_id | Model Series | 53 | 53:Model Series |
| 2711 | 4150 | cmpnt_name | Tag Number | 01 | 01:Tag Number |
| 2711 | 4150 | cmpnt_serv | Service | 02 | 02:Service |
| 2711 | 4150 | comp_pd_flow_uid | Flow UOM | 14 | 14:Flow UOM |
| 2711 | 4150 | comp_pd_press_uid | Press UOM | 16 | 16:Press UOM |
| 2711 | 4150 | equip_id | Equipment No | 06 | 06:Equipment No |
| 2711 | 4150 | inst_range_max | Instr Rng Max | 38 | 38:Instr Rng Max |
| 2711 | 4150 | inst_range_min | Instr Rng Min | 38 | 38:Instr Rng Min |
| 2711 | 4150 | inst_range_uom_max | Instr Rng Max UOM | 38 | 38:Instr Rng Max UOM |
| 2711 | 4150 | inst_range_uom_min | Instr Rng Min UOM | 38 | 38:Instr Rng Min UOM |
| 2711 | 4150 | line_i_d | Line Int Dia | 09 | 09:Line Int Dia |
| 2711 | 4150 | line_num | Line No | 08 | 08:Line No |
| 2711 | 4150 | line_sched | Line Sched | 09 | 09:Line Sched |
| 2711 | 4150 | line_size | Line Size | 09 | 09:Line Size |
| 2711 | 4150 | line_uom | Line UOM | 09 | 09:Line UOM |
| 2711 | 4150 | old_cmpnt_name | Old Tag Name | 03 | 03:Old Tag Name |
| 2711 | 4150 | pd_accuracy | Reqd Accuracy | 19 | 19:Reqd Accuracy |
| 2711 | 4150 | pd_accuracy_uid | Reqd Accuracy UOM | 19 | 19:Reqd Accuracy UOM |
| 2711 | 4150 | pd_flow_max | Flow Max | 14 | 14:Flow Max |
| 2711 | 4150 | pd_flow_min | Flow Min | 14 | 14:Flow Min |
| 2711 | 4150 | pd_flow_nor | Flow Norm | 14 | 14:Flow Norm |
| 2711 | 4150 | pd_fluid_name | Fluid Name | 12 | 12:Fluid Name |
| 2711 | 4150 | pd_fluid_phase | Fluid State | 12 | 12:Fluid State |
| 2711 | 4150 | pd_press_max | Press Max | 16 | 16:Press Max |

update spec_format_attributes set header_text = '39:Calib Rng Min' where format_id = '4150'
and column_name like 'calib_range_min';

| Data Field Header | Table Column Name | Length | View | Auto Size | Sum | Avg. |
|--------------------|-------------------|--------|-------------------------------------|--------------------------|--------------------------|--------------------------|
| 01:Tag Number | CMPNT_NAME | 50 | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 02:Service | CMPNT_SERV | 52 | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 03:Old Tag Name | OLD_CMPNT_NAME | 50 | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 03:PID No | PID_NO | 20 | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 04:Area Class | SPEC_UDF_C01 | 60 | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 04:Location | CMPNT_LOC_ID | 20 | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 05:Cert / Appr Req | SPEC_UDF_C428 | 40 | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 06:Equip No | EQUIP_ID | 20 | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |

In the Browser module
Add a new Form Browser
In the Specification group

| Data Field Header | Table Column Name | Length | View | Auto Size | Sum | Avg. |
|---------------------|-------------------|--------|--------------------------|--------------------------|--------------------------|--------------------------|
| 38:Facing | SPEC_UDF_C104 | 40 | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 38:Rating | SPEC_UDF_C103 | 40 | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 38:Size | SPEC_UDF_C102 | 40 | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 39:Flange Material | SPEC_UDF_C106 | 40 | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 39:Type | SPEC_UDF_C105 | 40 | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 40:Taps Size | SPEC_UDF_C108 | 40 | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 40:Taps Type | SPEC_UDF_C107 | 40 | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 41:Taps Orientation | SPEC_UDF_C109 | 40 | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |

| ORIFICE FLANGES | | Differential Pressure @ max flow | |
|-----------------|--------------------|----------------------------------|--------|
| 38 | Size | Rating | Facing |
| 39 | Type | Flange Material | |
| 40 | Taps Type | Taps Size | |
| 41 | Taps Orientation | | |
| 42 | Flange Supplied By | | |
| 43 | Process Connection | Transm. Connections | |
| 44 | Meter Run | Upstream Length | |
| 45 | | Downstream Length | |
| 46 | | | |
| 47 | | | |

Spec Form

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