

# Powering Your Performance



**INNOVATION**

**ENGINEERING**

**OPTIMIZATION**

## Spec Data Dictionary

```

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

```

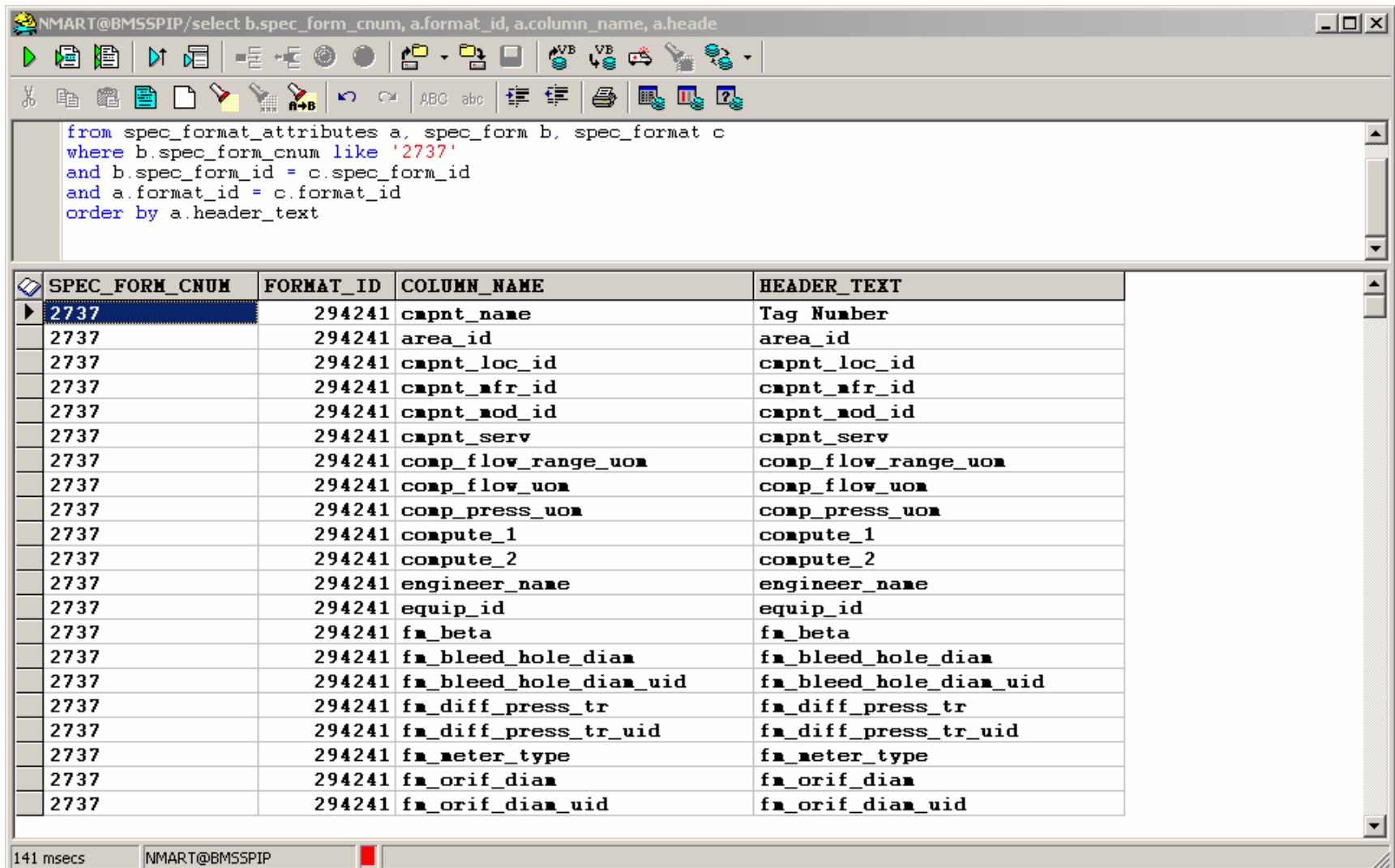
select b.spec_form_cnum, a.format_id, a.column_name, a.header_text
from spec_format_attributes a, spec_form b, spec_format c
where b.spec_form_cnum like '2737'
and b.spec_form_id = c.spec_form_id
and a.format_id = c.format_id
order by a.header_text

```

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

The status bar at the bottom shows "141 msec" and "NMART@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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