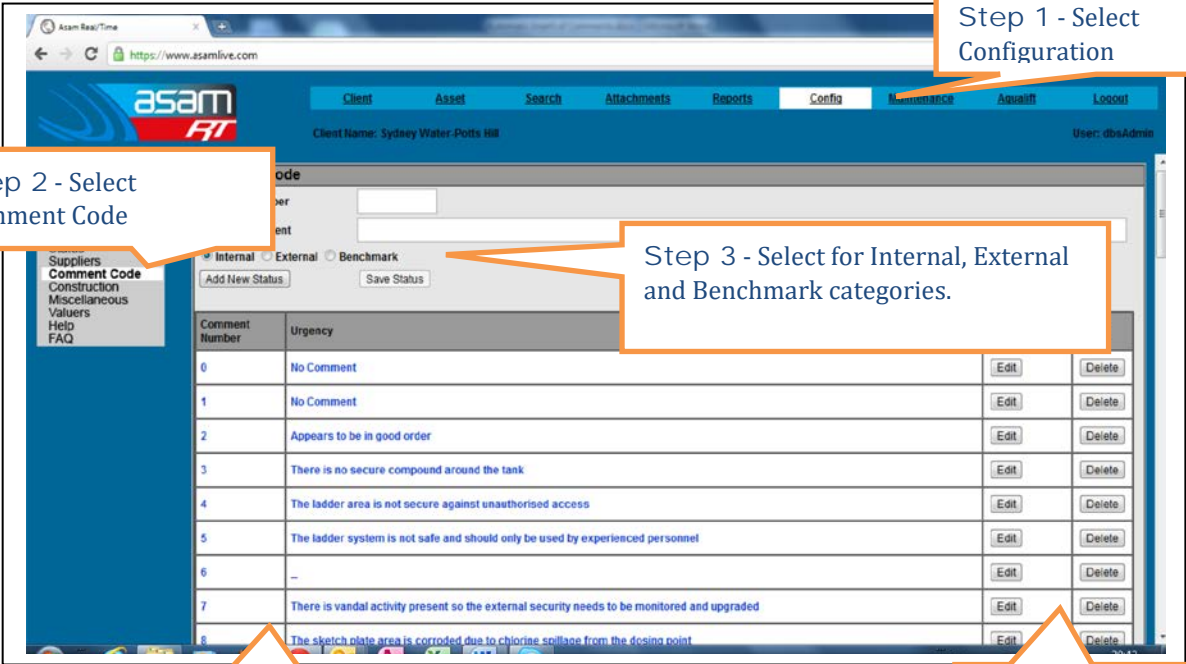


ASAM RT has an automatic 'Comment Code' inserting system, to assist with data collection and entry of similar inspection comments. The three areas that use these automated codes are within the Benchmarking, External and Internal Condition sections, when entering data.

The comments can be edited, added to or deleted in the 'Configurations' section > 'Comments Code', with the appropriate level of data administration.



The screenshot shows the 'Comments Code' configuration page in the ASAM RT system. The page includes a navigation menu at the top with options like Client, Asset, Search, Attachments, Reports, Config, Performance, Aquaint, and Logout. The main content area has a form for adding new status and a table of existing comment codes. The table has columns for Comment Number and Urgency, with 'Edit' and 'Delete' buttons for each row. Callouts provide instructions: 'Step 1 - Select Configuration' points to the 'Config' menu item; 'Step 2 - Select Comment Code' points to the 'Comment Code' option in the left sidebar; 'Step 3 - Select for Internal, External and Benchmark categories' points to the radio buttons for 'Internal', 'External', and 'Benchmark'; and 'Edit or Delete a Comment' points to the 'Edit' and 'Delete' buttons in the table.

Comment Number	Urgency	Edit	Delete
0	No Comment	Edit	Delete
1	No Comment	Edit	Delete
2	Appears to be in good order	Edit	Delete
3	There is no secure compound around the tank	Edit	Delete
4	The ladder area is not secure against unauthorised access	Edit	Delete
5	The ladder system is not safe and should only be used by experienced personnel	Edit	Delete
6	-	Edit	Delete
7	There is vandal activity present so the external security needs to be monitored and upgraded	Edit	Delete
8	The stretch plate area is corroded due to chlorine spillage from the dosing point	Edit	Delete

Recording inspection data in the field, now involves writing down a number on the information sheet, instead of a full comment. Data entry is simplified by selecting that same number, and having a complete comment inserted.

The Auto comments lists for Benchmarks, External and Internal inspections are at the end of this document – they are updated from time to time as new informational requirements emerge.

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ASAM – AUTOMATIC COMMENTS



In the **Benchmarks section** at the bottom of the 'General Details' > 'General' page, an auto comment number can be selected from the RHS list, once in the editing mode. When this automatic comment has been inserted and saved, it can be re-edited again to suit the sentence requirement.

The screenshot shows the 'Benchmarks' section of the ASAM RT interface. The table below lists various benchmarks with their corresponding codes and descriptions. A dropdown menu is open on the right side of the table, showing a list of numbers from 0 to 17. An orange callout box points to this menu with the text: "Auto Comment Number - is selected from Benchmark code."

Benchmark	Code	Description
Security	4	
Contamination	1	The roof, platform and entry hatch areas are all unsealed and they are allowing contamination to en
Safety	2	The internal ladder is heavily corroded and it should not be climbed if the tank is empty.
Confined Space	4	
CoF Water Quality	1	There is a lot of leaf material entering the tank.
CoF OH&S	2	Care needs to be taken if the tank is empty, as the interna

The External and Internal Condition pages also have an auto comments code section installed. Select the most appropriate comment number (from the separate list supplied) and once the comment has been inserted and saved, it can be re-edited or remain unchanged.

The screenshot shows the 'Internal Condition' page of the ASAM RT interface. The table below lists various areas inspected with their corresponding P Rating, Status, Comment Code, and Comments. An orange callout box points to the 'Comment Code' column with the text: "Comment Code - Number and automated comment". Another orange callout box points to the 'Internal Condition' section in the left sidebar with the text: "Select - Internal or External Condition".

Area Inspected	P Rating	Status	Comment Code	Comments
Compound	4	D		Appears to be in good order
Vandalism	4	D		Appears to be in good order
Walls	4	D		Appears to be in good order
Ladder External	4	D		Appears to be in good order
Entry Hatch	1	A		The entry hatch needs to be re-located up level with the roof area - the existing layout is not possible to seal off effectively, so
Roof Platforms	1	A		The platform area is not sealed against natural or deliberate contamination events - there are mesh panels in place which
Walkways	Na	Na		No Comment
	1	A		There is an unsealed section of roof where the davit system is attached - more thought is required when planning safety upg
Hatches	1	A		The hatch frame is not sealed onto the roof and it is stopping water from draining away effectively
Trails	4	D		Goodly fitted all around the roof area
	4	D		
Ventilation	4	D		

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BENCHMARKS - COMMENTS CODES

1	THERE IS NO SECURE COMPOUND AROUND THE TANK
2	THE COMPOUND AREA IS BEING ACCESSED BY UNAUTHORISED PERSONNEL
3	THERE IS SIGNIFICANT GRAFFITI PRESENT ON THE WALL AREAS
4	THE EXTERNAL LADDER SECURITY IS POOR AND UNAUTHORISED PERSONS CAN ACCESS THE UPPER TANK AREAS
5	UNAUTHORISED PERSONS CAN ACCESS THE ROOF AREA AND THE ENTRY HATCH IS NOT SEALED AGAINST DELIBERATE CONTAMINATION EVENTS
6	THE ENTRY HATCH COVER DOES NOT SEAL AROUND THE FRONT EDGE AREA WHERE THE LADDER STILES EXTEND THROUGH
7	THE UNSEALED ENTRY HATCH NEEDS TO BE RENOVATED TO PREVENT A WATER QUALITY EVENT FROM OCCURRING
8	THE ENTRY HATCH FRAME DOES NOT HAVE A SEALED FRONT EDGE – NATURAL OR DELIBERATE CONTAMINATION EVENTS CAN OCCUR
9	THE ENTRY HATCH COVER IS NOT LOCKED OR SECURED AGAINST UNAUTHORISED ACCESS
10	BIRDS AND VERMIN CAN ENTER THE TANK
11	THE VENT MESH IS DAMAGED, ALLOWING BIRDS AND VERMIN TO ENTER THE TANK
12	THE ROOF GUTTERS ARE BLOCKED, ALLOWING STORMWATER TO BACK FLOW INTO THE TANK
13	THE ROOF DRAINAGE IS NOT PROPERLY CONNECTED INTO THE OVERFLOW PIPE – CONTAMINATION EVENTS ARE OCCURRING REGULARLY
14	THE PLATFORM AREA IS NOT SEALED AGAINST NATURAL OR DELIBERATE CONTAMINATION DRAINING BACK INTO THE TANK
15	THE PLATFORM AREA IS UNSEALED AND THERE IS A LOT OF DEBRIS COLLECTED, READY TO DRAIN INTO THE TANK
16	THERE ARE SIGNIFICANT CONTAMINATION POINTS PRESENT AROUND THE PLATFORM AREA
17	THE INTERNAL LADDER SYSTEM IS HEAVILY CORRODED AND THIS WILL AFFECT THE STORED WATER QUALITY
18	SIGNIFICANT AMOUNTS OF INTERNAL CORROSION ARE AFFECTING THE STORED WATER QUALITY
19	THE INTERNAL LADDER AND CAGE ARE HEAVILY CORRODED – THEY ARE NOT SAFE TO USE WHEN THE TANK IS EMPTY
20	THE ENTRY HATCH IS TOO SMALL FOR A SAFE DIVER ACCESS OR RESCUE SITUATION
21	THE EXISTING INTERNAL LADDER DESIGN MAKES A CONFINED SPACE ACCESS OR RESCUE SITUATION DIFFICULT
22	THE INTERNAL LADDER IS POORLY POSITIONED AND TAKES UP AVAILABLE ACCESS UNDER THE ENTRY HATCH
23	THE INTERNAL LADDER SYSTEM NEEDS TO BE UPGRADED TO IMPROVE SAFETY OF THE PERSONNEL USING IT
24	THERE IS NO SOLID AREA ON THE ROOF TO SET UP A RESCUE SYSTEM – A CONFINED SPACE ACCESS OR RESCUE SITUATION WOULD BE DIFFICULT
25	THERE IS NO INTERNAL LADDER FITTED
26	WATER QUALITY IS COMPROMISED BY POOR HATCH SEALING AND SECURITY
27	THE ROOF AREA IS NOT SEALED AND STORM WATER IS DRAINING BACK INTO THE TANK

EXTERNAL and INTERNAL - COMMENTS CODES

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ASAM – AUTOMATIC COMMENTS



1	NO COMMENT
2	APPEARS TO BE IN GOOD ORDER
3	THERE IS NO SECURE COMPOUND AROUND THE TANK
4	THE LADDER AREA IS NOT SECURE AGAINST UNAUTHORISED ACCESS
5	THE LADDER SYSTEM IS NOT SAFE AND SHOULD ONLY BE USED BY EXPERIENCED PERSONNEL
6	
7	THERE IS VANDAL ACTIVITY PRESENT SO THE EXTERNAL SECURITY NEEDS TO BE MONITORED AND UPGRADED
8	THE SKETCH PLATE AREA IS CORRODED DUE TO CHLORINE SPILLAGE FROM THE DOSING POINT
9	THERE IS HEAVY STAINING PRESENT ON THE COATING
10	
11	UNSEALED AREAS ARE ALLOWING NATURAL OR DELIBERATE CONTAMINATION TO ENTER THE TANK
12	STORMWATER AND DEBRIS ARE COLLECTING AND DRAINING BACK INTO THE TANK
13	THE ENTRY HATCH SHOULD BE MODIFIED - A SEALED FRONT EDGE NEEDS TO BE FITTED, ALONG WITH A HINGED, OVERLAPPING HATCH COVER TO PREVENT CONTAMINATION FROM ENTERING THE TANK
14	THE HATCH COVER IS NOT SEALED AROUND THE EDGES AND CONTAMINATION CAN ENTER THE TANK
15	THE ENTRY HATCH IS TOO SMALL FOR A SAFE DIVER ENTRY OR RESCUE SITUATION
16	THE ENTRY HATCH COVER IS NOT SEALED AROUND THE FRONT EDGE AREA AND WHERE THE LADDER STILES PASS THROUGH - CONTAMINATION CAN ENTER THE TANK
17	
18	AN IMPROVED GUARD RAIL SYSTEM IS REQUIRED TO UPGRADE PERSONNEL SAFETY AROUND THE PLATFORM AREA
19	
20	THE ROOF SHEETS NEED RE-FIXING AROUND THE EDGES TO PREVENT STORM DAMAGE FROM OCCURING
21	SOME AREAS OF FLASHING ARE LOOSE AND NEED RE-FIXING TO PREVENT FURTHER WIND DAMAGE FROM OCCURING
22	
23	THE VENTILATION MESH IS DAMAGED AND SMALL BIRDS CAN ENTER THE TANK
24	THE MESH UNDER THE EAVES IS DAMAGED AND BIRDS OR POSSUMS CAN ENTER THE TANK
25	THE TANK IS NOT SEALED UNDER THE ROOF AREA AND SMALL BIRDS OR RODENTS CAN ENTER THE TANK
26	
27	A TITAN ARM AND NEXTEP VERTICAL FRP LADDER SYSTEM NEEDS TO BE INSTALLED TO MAKE THE TANK CONFINED SPACE COMPLIANT
28	THE DAVID ARM HAS BEEN WELDED INTO A FIXED POSITION TO PREVENT IT FROM BEING USED EFFECTIVELY
29	THERE ARE CHAINS FITTED INTO THE GUARD RAIL SYSTEM ADJACENT TO THE DAVIT AREA
30	THERE IS A GATE FITTED INTO THE GUARD RAIL SYSTEM ADJACENT TO THE DAVIT AREA
31	
32	THERE IS EXPOSED ELECTRICAL WIRING PRESENT
33	THE CABLE IS BROKEN AND THE LEVEL INDICATOR NO LONGER OPERATES
34	THE DEPTH SCALE IS NO LONGER LEGIBLE
35	
36	THERE IS CORROSION AND DETERIORATION PRESENT
37	THERE IS HEAVY STAINING ON THE COATING
38	OSMOTIC BLISTERS HAVE FORMED UNDER THE COATING
39	THE COATING LACKS ADHESION AND IS PEELING OFF IN SEVERAL AREAS
40	THERE IS LIGHT CORROSION PRESENT
41	CORROSION IS BLEEDING THROUGH THE COATING ON MOST AREAS
42	THERE ARE SIGNIFICANT CORROSION NODULES PRESENT
43	THERE IS CORROSION PRESENT ON THE FLANGES AND FITTINGS
44	THERE IS CORROSION PRESENT ON THE RAFTERS WHERE CHLORINE HAS BEEN SPILT

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45	THE CP DOES NOT APPEAR TO BE CONTROLLING THE CORROSION THAT IS PRESENT
46	THE CP APPEARS TO BE EFFECTIVE IN CONTROLLING CORROSION IN THE COATING DEFECT AREAS
47	THERE IS CORROSION AND DETERIORATION PRESENT AT THE BASE OF THE WALL FLOOR AREA
48	THERE IS SIGNIFICANT CORROSION BLEEDING THROUGH THE BITUMEN COATING
49	THERE ARE SIGNIFICANT CORROSION NODULES PRESENT
50	SIGNIFICANT CORROSION IS PRESENT RIGHT ACROSS THE FLOOR AREA AND STRUCTURAL DAMAGE IS OCCURRING - AN IMPRESSED CATHODIC PROTECTION SYSTEM IS REQUIRED IMMEDIATELY TO SLOW DOWN THE RATE OF DETERIORATION UNTIL THE TANK IS RE-COATED. RE-COATING SHOULD BE CLIMATE CONTROLLED TO GUARANTEE AN EFFECTIVE OUTCOME AND GOOD VALUE FOR MONEY EXPENDED
51	
52	THE OVERFLOW BASE AND RISER SECTIONS ARE HEAVILY CORRODED
53	
54	THE ROOF DRAINAGE IS NOT PROPERLY CONNECTED INTO THE OVERFLOW PIPE - CONTAMINATION EVENTS ARE OCCURRING REGULARLY
55	THE OVERFLOW RISER IS DUCTILE IRON AND NOT EPOXY COATED - IT IS BEGINNING TO CORRODE, PARTICULARLY WHERE THE SS SUPPORT BRACKETS ARE FIXED
56	
57	THE OUTLET IS COMMON WITH THE INLET AND IT IS LEVEL WITH THE FLOOR - A TWO WAY NOZZLE SHOULD BE FITTED TO PREVENT SEDIMENT ENTRY INTO THE PENETRATION AND TO BLEND THE STORED WATER
58	SEDIMENTS CAN ENTER THE PIPEWORK BECAUSE THE OUTLET PENETRATION IS LEVEL WITH THE FLOOR
59	
60	THERE ARE NO OUTLET SCREENS PRESENT FOR DIVER SAFETY
61	THERE IS A BRASS SCREEN PRESENT - THE LARGE SURFACE AREA CAUSES SEDIMENTS TO ACCUMULATE AROUND THE OUTLET PENETRATION
62	THERE IS A FIBREGLASS SCREEN PRESENT - THE LARGE SURFACE AREA CAUSES SEDIMENTS TO ACCUMULATE AROUND THE OUTLET PENETRATION
63	
64	THE LADDER CAGE SHOULD BE REMOVED TO IMPROVE DIVER SAFETY AND TO MAKE THE TANK CONFINED SPACE COMPLIANT
65	THE INTERNAL LADDER IS HEAVILY CORRODED AND SHOULD BE REPLACED WITH A NEXTEP VERTICAL FRP SYSTEM MM LONG

Spaces have been left in some areas to allow for additional comments to be inserted into the same related sections. A laminated list of the comments and their numbers should be carried when carrying out field inspections.