

Development of Inspections for ONRC using Pocket RAMM

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LOW
VOLUME
ROADS
WORKSHOP
2017

Outline

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ONRC Categories



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Safety - Technical Output Performance Measures

Technical Output 1: permanent hazards

Technical Output 3: sight distances .

Technical Output 7: hazardous faults

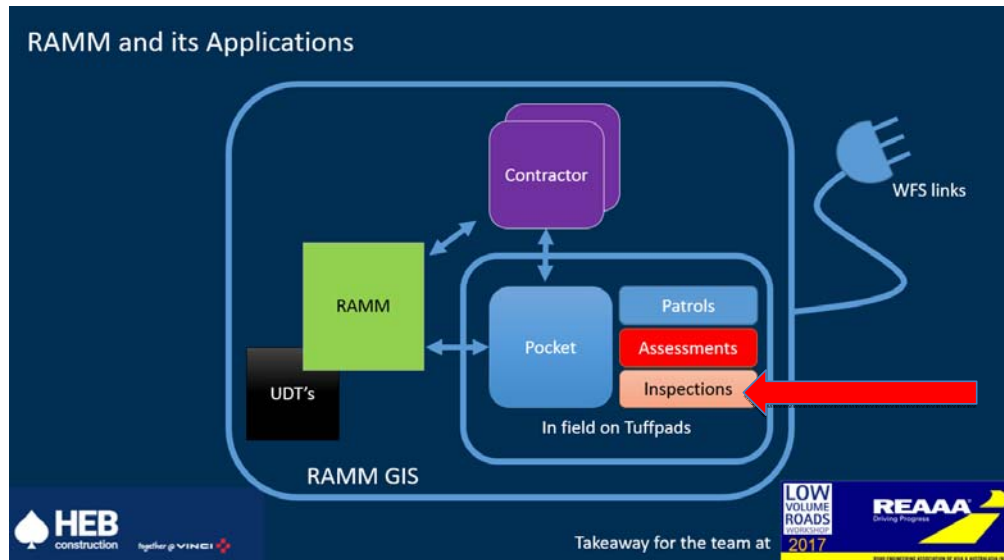
Technical Output 10: roadside obstructions

Amenity - Technical Output Performance Measures

Technical Output 2: aesthetic faults

The Inspections module

- It's a new application within RAMMs Suite.



Inspections for assets



ONRC front end

The image displays three overlapping screenshots of the RAMM ONRC front end interface. The top-left screenshot shows the 'Measure - Category Details' view with a sidebar menu containing 'Menu', 'Map', and 'ONRC Performance Measurement'. The top-right screenshot shows the 'ONRC Performance Measurement' view for the financial year 2016/17, featuring a summary table with the following data:

Open	Completed	Overdue
0	1192	0

The bottom screenshot shows the 'Generate Inspections' view, which includes a summary table with the following data:

Open	Completed	Overdue
0	0	0

Below the summary table, there are several menu items with descriptions and right-pointing arrows:

- Inspection Sets: View current and previous Inspection Sets, with their results.
- Generate Inspections: Create random sample inspections for the current financial year.
- Measures: View performance measures.
- Categories: View ONRC Categories and the carriageways assigned to them.
- Measure - Category Details: View Performance Measure - Category requirement.

The interface also includes a 'Financial Year' dropdown menu set to '2017/18', a 'Generate' button, and a list of items with right-pointing arrows.

The workflow (in Pocket)

The screenshot displays the Pocket RAMM mobile application interface. The top navigation bar includes icons for information, home, search, refresh, and other functions. Below the navigation bar, there are tabs for 'Activities', 'Job List', 'Inspections', and 'Inventory'. The 'Inspections' tab is active, showing a list of 1182 inspections. The list includes details such as inspection type, location, and status. A detailed view of an inspection is shown in the foreground, featuring a map of the location and a form for recording inspection results. The detailed view includes a status indicator (Pass/Fail/Retest), a description of the inspection, and fields for 'Assigned to', 'Location', and 'Due On'. A 'Notes' field is also present for recording observations.

Inspection List:

- 6931 Safety TO1 - Low Volume - 2016 : Jul-Jun
Carriageway Section
0-1140m, DRAIN RD, 5/M36 586 142/L36 491 189
Passed, on 14/06/2017
- 7537 Amenity TO2 - Access - 2016 : Jul-Jun
Carriageway Section
283-449m, PULTNEY ST, 4/M36 536 164/M36 533 162
Passed, on 17/05/2017
- 7705 Amenity TO2 - Secondary Collector - 2016 : Jul-Jun
Carriageway Section
6635-8001m, SELWYN RD, 1/M36 677 349/M36 519 274
Passed, on 22/05/2017
- 7524 Safety TO3 - Access - 2016 : Jul-Jun
Carriageway Section
4811-6840m, IRVINES RD, 4/L36 454 264/L36 373 221
Passed, on 14/06/2017
- 7990 Safety TO3 - Arterial - 2016 : Jul-Jun
Carriageway Section
8454-8870m, JONES RD, 6/M36 673 390/M36 594 351
Passed, on 15/06/2017
- 7459 Safety TO3 - Access - 2016 : Jul-Jun
Carriageway Section
2036-4585m, NORTH RAKAIA RD, 5/L37 501 022/L36 293 233
Passed, on 12/06/2017
- 7290 Safety TO1 - Low Volume - 2016 : Jul-Jun
Carriageway Section
0-18m, RIVERSLEIGH RD, 10/L35 229 466/L35 201 491
Passed, on 25/05/2017

Inspection Details:

- Status: **Pass**
- Description: Amenity PMS - Low Volume - 2016 : Apr-Jun
- Section: Carriageway Section
- Inspection No. 13702
- Assigned to: [Not Specified]
- Due On: 30/06/2016
- Location: FRANDI ST, THORNDON, 0-136m
- Notes: [Empty field]

How it works



Sum of Length			
Measure Reference	Amenity TO2		
urban/rural	URBAN		
Sum of length	Column Labels		
Row Labels	Fail	Pass	Grand Total
Access	0.59	11.62	12.22
Arterial		6.20	6.20
Low Volume	0.99	13.21	14.20
Primary Collector		2.51	2.51
Secondary Collector	0.06	13.83	13.89
Grand Total	1.65	47.37	49.02

Count of Pass Fail

Measure Reference	Amenity TO2
urban/rural	URBAN

Count of length2			
Row Labels	Fail	Pass	Grand Total
Access	1	26	27
Arterial		8	8
Low Volume	4	40	44
Primary Collector		7	7
Secondary Collector	1	20	21
Grand Total	6	101	107

B	C	D	E	F	G	K	L	M
Road Name	ONRC Category	Measure Reference	Inspection Set	Start	End	ected	Inspection Dispatches	Other Dispatches
BARNES RD	Secondary Collector	Amenity TO2	Amenity TO2 - Secondary Collector - 2016 : Jul-Jun	165	2	/05/2017	0	0
BARNES RD	Secondary Collector	Safety TO1	Safety TO1 - Secondary Collector - 2016 : Jul-Jun	165	2	/05/2017	0	0
CLINTON ST	Secondary Collector	Amenity TO2	Amenity TO2 - Secondary Collector - 2016 : Jul-Jun	0		/05/2017	0	0
CLINTON ST	Secondary Collector	Safety TO1	Safety TO1 - Secondary Collector - 2016 : Jul-Jun	0		/05/2017	0	0
CLINTON ST	Secondary Collector	Safety TO3	Safety TO3 - Secondary Collector - 2016 : Jul-Jun	0	77 Pass	5/05/2017	0	0
COALTRACK RD	Secondary Collector	Amenity TO2	Amenity TO2 - Secondary Collector - 2016 : Jul-Jun	27893	29705 Pass	23/05/2017	0	0
COALTRACK RD	Secondary Collector	Safety TO1	Safety TO1 - Secondary Collector - 2016 : Jul-Jun	27893	29705 Pass	23/05/2017	0	0
COALTRACK RD	Secondary Collector	Safety TO10	Safety TO10 - Secondary Collector - 2016 : Jul-Jun	27893	29705 Pass	23/05/2017	0	0

Feedback

- “Was relatively easy to adopt as it was an add on to our existing tools.”
- “Having it mapping as well as jobs, meant we could see inspections to do while doing other tasks”
- “Being able to zoom out further than normal with the icons still showing is great for planning our routes to inspect”

Value Add

- From Clients Perspective

- From Contractors Perspective

Using existing tools smarter makes sense

Working collaboratively means we can share the inspections (time)

Overall the inspection functionality will be useful for other inspections, not just ONRC.

Some Takeaways for you

- Watch for Asset Condition r approach. The latter is the
- Align your inspectors, use th
- Don't get bogged in the det
- It's a network measure, not a contract measure



Cheers! Questions?

