

From: Tom Hickman
Sent: 09 October 2007 15:12
To: Mark Hamill
Subject: STUFF

In order to prepare a suitable list of activities to review in the schedule QRA a separate high level Project was created under the Primavera hierarchy with direct logic links back to the master programme covering mainly the construction periods for Utility diversions and Infracore but also Tram manufacture, delivery and driver training / shadow running. The method for achieving this was to select all the activities for one area and link the earliest programmed activity and the latest programmed activity to the high level activity to create a duration over which all the activities in the area would be executed.

In the example below you can see that the first activity (UTB-4010) in the MUDFA Section 01 Depot started on 3rd September 2007 and that the last activity (UT-4041) is programmed to complete on 7th February 2008.

Section 06 Gogar Depot (Priority 1)
Intermediate Section 06A Gogar Depot
Sub-Section 01 Depot

- Preparatory Works
 - UTD-0360 Detailed Design - Intermediate Section 06A - Utilities - Issue For Construction Drawings
 - UTD-0350 Detailed Design - Intermediate Section 06A - Utilities - Issue to SUC's
- Sub-Section Wide
 - UTB-4010 Start MUDFA Utility Construction Sub-Section 01 - (Gogar Depot to Gogar Depot)
 - UTS-4010 Construction/Diversions - Summary Activity - (Gogar Depot to Gogar Depot)
- Electricity
 - UTB-4043 Electricity (SP) (6/SP/D/10) (140m) 2 x 33kV - (Gogar Depot to Gogar Depot)
 - UTB-4041 Electricity (SP) (6/SP/D/01) (150m) 2 x 11kV - (Gogar Depot to Gogar Depot)
- Gas
 - UTB-4051 Construction/Diversions - Gas - (Gogar Depot to Gogar Depot)
- Telecoms (Inc Data)
 - UTB-4062 Telecoms (CW) (6/CW/D/03) Excavation & Preparatory Works - (Gogar Depot to Gogar Depot)
 - UTB-4063 Telecoms (CW) (6/CW/D/03) Temporary Slew - (Gogar Depot to Gogar Depot)
 - UTB-4061 Telecoms (BT) (6/BT/D/02) (315m) - (Gogar Depot to Gogar Depot)
 - UTB-4064 Telecoms (CW) (6/CW/D/03) Full Reinstatement & Build Chambers - (Gogar Depot to Gogar Depot)
- Water Supply
 - UTB-4071 Water (SW-C) (6/SP/D/01) (490m) 250mm - Cut & Cap - (Gogar Depot to Gogar Depot)
 - UTB-4072 Water (SW-C) (6/SP/D/01) (490m) 250mm - Remove Redundant Main (Gogar Depot to Gogar Depot)
 - UTB-4069 Water (SW-C) (6/SP/D/01) (500m) 800mm - Delivery of 500m of Ductile Pipe - (Gogar Depot to Gogar Depot)
 - UTB-4073 Water (SW-C) (6/SP/D/01) (490m) 250mm - Excavate & Install New (Gogar Depot to Gogar Depot)
 - UTB-4075 Water (SW-C) (6/SP/D/01) (500m) 800mm - Excavate & Lay 500m (excl Thrust Blocks) - (Gogar Depot to Gogar Depot)
 - UTB-4076 Water (SW-C) (6/SP/D/01) (500m) 800mm - Delivery of Ductile Pipe & Fittings - (Gogar Depot to Gogar Depot)
 - UTB-4074 Water (SW-C) (6/SP/D/01) (490m) 250mm - Chlorinate & Pressure Test (Gogar Depot to Gogar Depot)
 - UTB-4077 Water (SW-C) (6/SP/D/01) (500m) 800mm - Tie-In No.1 by A0 (incl thrust blocks) - (Gogar Depot to Gogar Depot)
 - UTB-4078 Water (SW-C) (6/SP/D/01) (500m) 800mm - Tie-In No.2 by NR line (incl thrust blocks) - (Gogar Depot to Gogar Depot)
 - UTB-4079 Water (SW-C) (6/SP/D/01) (500m) 800mm - Commission New / Isolate Old - (Gogar Depot to Gogar Depot)
- Commissioning Completion
 - UT-4010A10 All Construction/Diversions Complete - Sub-Section 01 - (Gogar Depot to Gogar Depot)
 - UT-4031 Commissioning
 - UT-4041 Completion and Sign Off Utilities Sub-Section 01 (Depot)

Section 07 Gogar to Edinburgh Airport (Priority 2)

The screenshot also shows a detailed view of an activity with tabs for General, Status, Resources, Predecessors, Successors, Relationships, Summary, Codes, and Notebook. The Predecessors and Successors tables are currently empty.

As there is a "live" logic link between these projects within Primavera you can see that the activity QRR-0520 "MUDFA Sub-section 1 Gogar Depot" starts and finishes on the same dates as the group of activities it is summarising.

Primavera : ETN-01, ETN-02, ETN-03, ETN-04, ETN-05, ETN-06, ETN-07, ETN-08, ETN-09, ETN-10, QRR-00 (01 DEVELOPMENT, 02 LAND ASSEMBLY, 03 IRC, 04 SDS DESIGN, 05 ADVANCE)

File Edit View Project Enterprise Tools Admin Help

Activities

Layout: TRAM Classic Schedule Layout Filter: All Activities

Activity ID	Activity Name	On Dur
QRR-0020	Procurement - TRAMCO Main Contract	
QRR-0010	Procurement - INFRACO Main Contract	
QRR-0030	Land and Property Line 1a	
QRR-0270	Advance Works Line 1a Gogar Depot Site	
QRR-0320	MUDFA Sub-Section 21 Bernard Street (inclusive) to Foot of the Walk (exclusive)	
QRR-0310	MUDFA Sub-Section 22 Port of Leith (inclusive) to Bernard Street (exclusive)	
QRR-0300	MUDFA Sub-Section 23 Ocean Terminal (inclusive) to Port of Leith (exclusive)	
QRR-0420	MUDFA Sub-Section 11 Murrayfield Stadium (exclusive) to Balgreen Road (inclusive)	
QRR-0410	MUDFA Sub-Section 12 Roseburn Junction (exclusive) to Murrayfield Stadium (inclusive)	
QRR-0520	MUDFA Sub-Section 1 Gogar Depot	
QRR-1120	TRAM Delivery for Line 1b (4 off)	
QRR-0250	Advance Works Line 1a Network Rail - Immunisation	
QRR-0340	MUDFA Sub-Section 19 Balfour Street (inclusive) to MacDonald Road (exclusive)	
QRR-0480	MUDFA Sub-Section 5 Ingliston Park & Ride (exclusive) to Airport (inclusive)	
QRR-0260	Advance Works Line 1a Network Rail - Relocation of Lineside Equip / Pollution Prevention measures etc	
QRR-0490	MUDFA Sub-Section 4 Gogarburn (exclusive) to Ingliston Park & Ride (inclusive)	
QRR-0450	MUDFA Sub-Section 8 Bankhead (exclusive) to Edinburgh Park Station (inclusive)	
QRR-0430	MUDFA Sub-Section 10 Balgreen Road (exclusive) to Saughton Road North (inclusive)	
QRR-0440	MUDFA Sub-Section 9 Saughton Road North (exclusive) to Bankhead (inclusive)	
QRR-0370	MUDFA Sub-Section 16 St Andrew Square (inclusive) to Princes Street West (exclusive)	
QRR-0400	MUDFA Sub-Section 13 Haymarket (inclusive) to Roseburn Junction (inclusive)	
QRR-0460	MUDFA Sub-Section 7 Edinburgh Park Station (exclusive) to Edinburgh Park Central (inclusive)	
QRR-0470	MUDFA Sub-Section 6 Edinburgh Park Central (exclusive) to Gyle (inclusive)	
QRR-0510	MUDFA Sub-Section 2 Depot Stop (exclusive) to Gogar Stop (inclusive)	
QRR-0500	MUDFA Sub-Section 3 Gyle (exclusive) to Depot Stop (inclusive)	
QRR-0060	Utilities Design Complete - Line 1a	
QRR-0380	MUDFA Sub-Section 15 Princes Street West (inclusive) to Shandwick Place (exclusive)	
QRR-0070	Utilities Design Complete - Line 1b	

General Status Resources Predecessors Successors Relationships Summary Codes Notebook

Activity: QRR-0520 MUDFA Sub-Section 1 Gogar Depot

Predecessors				Successors			
Project ID	WBS	Activity ID	Activity Name	Project ID	WBS	Activity ID	Activity Name
ETN-06	ETN-06	UT-4041	Completion and Sign Off Utilities Sub-Section 01 (Depot)				
ETN-06	ETN-06	UTB-4010	Start MUDFA Utility Construction Sub-Section 01 - (Gogar Dep				

Assign Remove GoTo

Portfolio: All Projects User: trackman Data Date: 17-Sep-07 Access Mode: Shared Baseline: 01 DEVELOPMENT - March 2007 Baseline

The second part of the analysis was to determine the float maintained by each set of activities.

For the MUDFA activities this is calculated by determining the duration between the latest completion of MUDFA activities in an Intermediate area and the earliest start of programmed Infraco activities in the same area.

For the Infraco activities this is calculated by determining the duration between the latest completion of INFRACO activities in a sub-section and the latest completion programmed Infraco activities in the Intermediate section.

Regards,

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