Sheffield City Council Location:										
Site No:	Sheet 1 of 4									
Reset Controller										
Controller Type : PTC-1	Serial Number :									
	Issue/Version :									
Tested By :	Date :									
Timing D	Pata Check									
 Check and record all timings using a stopwatch Ensure all timings recorded match those specified. Ensure timings are held on configuration EPROM and not just in RAM 										
 Minimum Vehicle Green Times Maximum Vehicle Green Times Fixed Vehicle Period (time run by vehicles if controller switched to fixed time) Intergreen – Traffic to Pedestrian (Forced Change) Intergreen – Traffic to Pedestrian (Gap Change) Standing Green Man Duration Minimum Ped Clear inc Starting Amber Maximum Ped Clear inc Starting Amber On crossing detector extension times Kerbside detector extension times 	Stream 1 Stream 2									
 Check state of pre-timed max by; 	nmediately ax timer									
Typically 0.5 for MVD's 1.5 for Loop's										

VA running pre-timed max's (Y/N) Vehicle detector extension times



Puffin/Toucan Factory Acceptance Test Sheet

Location:

Site No:

Urban Traffic Control (UTC)

- Check operation of following bits if OTU fitted
 - F~ Force to stage ~ in accordance to Sheffield UTC requirements
 - D# Demand and-or extend stage # in accordance to Sheffield UTC requirements
 - RR Present when lamps are switched off and during start-up.
 - DF Present is PBU or Vehicle detector fault occurs (reduce DFM time to simulate DFM timeout)
 - G~ Present when stage ~ is at full green
 - SD# Present when stage # is demanded
 - LF Present when any signal lamp has failed (red/amber/green/wait etc...)
 - RF1 Present when any vehicle red lamp has failed.
 - RF2 Present when any two red lamps have failed.
 - KSFLT Present after 10 failures on any Kerbside detector

UTC Control

- □ Force Vehicle Stages (F1 F3)
- □ Force Pedestrian Stages (F2 F3)
- \Box Demand Vehicles (D1 D3)
- Demand Pedestrians (D2 D4)

UTC Reply Bits

- □ Traffic Stages at green (G1 G3)
- □ Pedestrian Stages at Green (G2 G4)
- □ Pedestrian Demand (SD2 SD4)
- □ Check Time Sync (TS)
- Remote Reconnect Bit Works (RR)
- Detector Fault Reply (DF)
- □ Check Lamp Fault Reply (LF)
- □ Check Single Red Lamp Fault Reply (RF1)
- □ Check Two Red Lamp Fault Reply (RF2)
- □ Kerbside fault reply (KSFLT)

Bit	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Cont																
Reply																

Sheet 2 of 4



Sheet 3 of 4

Location:

Site No:

General Tests

• Check SDE/SA – Check by;

- 1) If GERQ detector is set active controller should extend the associated vehicle stage upto its max.
- 2) If ECPRQ detector is set active when the vehicle stage loses green the intergreen to the pedestrian green man should be extended by 2 seconds.

• DFM time outs – Check by;

- 1) Reduce vehicle detectors DFM active time to its minimum value.
- 2) Setting vehicle detector active
- 3) After detector has been active for the DFM active time the controller should flag it as faulty in the log.

Check Green Conflict by;

1) Getting signal company engineer to short Green Man & Vehicle Greens Or

2) Use test switch on lamp box to light ped green whilst vehicle green is lit (*if test switch is available*)

• Check controller start up from power off

Controller should light lamps after starting intergreen period has timed off (see your spec for starting intergreen). Starting up in the pedestrian clearance (i.e. Red Man followed by green to vehicles after clearance period).

 Check controller start up from lamps on/off switch Controller should light lamps immediately Starting up in the pedestrian clearance (i.e. Red Man followed by green to vehicles after clearance period).

• Forward Call

Upon the servicing of a demand from an outer push button the controller will wait x seconds and then place a demand for the next crossing, provided that the KSD is active, this demand can be automatically entered upto 2 seconds after the end of the initial period x (x is determined as the time taken to cross from the outer crossing point to its associated inner crossing point)

Once this period has expired the controller will return to its normal operation and cancel demands dependent on the Kerbside Detection.

- □ Check SDE/SA (extensions & intergreens)
- Check DFM time outs
- □ Check that a green conflict causes switch off
- Check start up from power off
- Check start up from lamps off
- Check forward call facility

- Check red lamp monitoring extends intergreens to peds by 2 seconds if traffic phases have 1 red lamp out (Does not work on all types of controllers)
- Check red lamp monitoring switches off signals if either traffic phase has 2 red lamps out

Faults / Notes



Puffin/Toucan Factory Acceptance Test Sheet

Location:

Site No:

Sheet 4 of 4

