| Sheffield Traffic Signals Configuration Test Sheet | | | | | | | | | | | | | |
|--|--|--------|--------|--------|-------------------------|------|---|------|-------|-----|---|------|----|
| | Location: Site No: | | | | | | ę | Shee | t 1 o | f 3 | | | |
| Controll | er Type : | | | Serial | Numb | er : | | | | | | | |
| Tested | By : Date : | | | Firmw | are | : | | | | | | | |
| 🗆 Initia | alise/ Reset Controller | | | lssue/ | Versi | on : | | | | | | | |
| | G | eneral | Data (| Check | (| | | | | | | | |
| Min Max Ped Inte Max | Set Time & Date Minimum Green Times Maximum Green Times DFM Inactive Times DFM Active Times | | | | | | | | | | | | |
| | | Manu | al Mo | do | | | | | | | | | |
| □ Mar □ Cor | nual mode selected & not enabled nual mode selected & enabled rect phases appear in each stage y permitted stage changes are allowed | Mana | | Repli | ies MC ies G1 ing | | | | | | | | |
| Stage | Phases | F/T | AR | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
| AR | | AR | | | | | | | | | | | |
| 1 | | 1 | | | | | | | | | | | |
| 2 3 | | 2 | | | | | | | | | | | |
| 4 | | 4 | | | | | | | | | | | |
| 5 | | 5 | | | | | | | | | | | |
| 6 | | 6 | | | | | | | | | | | |
| 7 8 | | 7 8 | | | | | | | | | | | |

9 10

Fixed Time Mode

| | Stage times | (no demands) | |
|---|-------------|--------------|--|
| - | Oldge lines | (no acmanas) | |

Stage sequence (no demands)

Fixed time selected & Running Indicator on or Handset indicates FT mode running

□ Stage times (with demands)

MC & RR bits replying to UTC

Stage sequence (with demands)

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Traffic Signals Configuration Test Sheet

Location: Site No:

Sheet 2 of 3

Vehicle Actuated Mode (V.A.)

- Select V.A. mode
- Switch of ALL detection
- Check that each detector demands correct phase
- Check that each detector extends correct phase
- Check that each stage is called by the correct detector
- Check that each stage is extended by correct detector
- □ Check that Call / Cancel detectors operate correctly
- Check normal intergreen periods
- Check phase delays
- Check maximum reversion
- Check Arterial reversion

| _ | | | | | | | | |
|-------------------------------------|--|--|--|--|--|--|--|--|
| Detector name | | | | | | | | |
| Demands | | | | | | | | |
| Extends | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| Detector name | | | | | | | | |
| Detector name Demands Extends | | | | | | | | |

| Phase | Min | Max 1 | Max 2 |
|-------|-----|-------|-------|
| | | | |
| | | | |
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Cableless Linking Mode (CLF)

- Check that CLF is implemented via timetable
- Check that CLF is disabled via timetable
- Check that immediate moves operate
- Check that demand dependant moves operate
- Check that prevent except moves operate
- Check that hold stage operates

Rev: V1.1

Check that plan does not miss stages or over run cycle

time with all demands present

Traffic Signals Configuration Test Sheet



Location: Site No:

Sheet 3 of 3

Urban Traffic Control (UTC)

- Select UTC mode using F-bits
- Check that UTC mode is running
- Switch off ALL detectors and D-bits
 Check stage changes using detector
- □ Check stage changes using detector inputs
- Check stage changes using D-bits inputs

| Bit | Detn | D-bit | Force | Gap |
|-----|------|-------|-------|-----|
| F1 | | | | |
| F2 | | | | |
| F3 | | | | |
| F4 | | | | |
| F5 | | | | |
| F6 | | | | |
| F7 | | | | |
| F8 | | | | |
| F9 | | | | |
| F10 | | | | |

- Check non demand dependant moves
- Check gap out stage changes
- Check that time sync & reply operates correctly
- Check DX bit
- Check DF bit
- Check LF bit
- Check KSFLT

G-Bit intergreen durations

| F\T | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
|-----|---|---|---|---|---|---|---|---|---|----|
| 1 | | | | | | | | | | |
| 2 | | | | | | | | | | |
| 3 | | | | | | | | | | |
| 4 | | | | | | | | | | |
| 5 | | | | | | | | | | |
| 6 | | | | | | | | | | |
| 7 | | | | | | | | | | |
| 8 | | | | | | | | | | |
| 9 | | | | | | | | | | |
| 10 | | | | | | | | | | |
| 10 | | | | | | | | | | |

General Tests

- Check mode priority
- □ 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 red lamp monitoring extends intergreens to all conflicting peds if associated traffic phases have 1 red lamp out
- Check red lamp monitoring inhibits all conflicting peds if associated traffic phases have 2 red lamps out
- □ Check RLF1 UTC reply
- □ Check RLF2 UTC reply

Faults