



Active Level Crossing Audit Sheet

Road Name		Location	
Kilometre		Date of Inspection	
Inspected By		RLX Number	
Crossing Type	<input type="checkbox"/> Relay Interlocked <input type="checkbox"/> GCP 3000 <input type="checkbox"/> GCP 4000		

RELAY BOXES and EQUIPMENT HOUSING

Horizontal Alignment	Good/Poor	Vertical Alignment	Good/Poor
Louvre / Vent condition	Good/Poor	Weather proof	Yes/No
Vermin Proof	Yes/No	Clean	Yes/No
Backboard in acceptable condition	Yes/No/N/A	Vegetation clearance reqd	Yes/No
Condition of Paint work	Good/Poor/NA	Padlock condition	Good/Poor
Battery well lid liner acceptable	Yes/No/NA	Battery box acceptable	Yes/No/NA
Battery well grid acceptable	Yes/No/NA		

MAINS SUPPLY BOX

Secure	Yes/No/NA	Clean	Yes/No/NA
Weatherproof	Yes/No/NA	Correctly earthed	Yes/No/NA
Wiring condition	Good/Poor	Correct fuse rating	Yes/No/NA
High Voltage Warning Sticker attached	Yes/No/NA		

LIGHTNING ARRESTOR BOX

Secure	Yes/No/NA	Clean	Yes/No
Weatherproof	Yes/No/NA	Any sign of lightning damage	Yes/No
Arrestor Cartridge intact	Yes/No		
Earth stake installed and correctly terminated	Yes/No		
Box and Cartridges correctly earthed	Yes/No		

BOX WIRING AND TERMINATIONS

Main load wiring 6mm	Yes/No/NA
2.5mm Vital circuit	Yes/No/NA
Volt drop over fuses	1 2 3 4 5 6 7
Volt drop BL to load point in ER box	1 2



Active Level Crossing Audit Sheet

Cable condition (visual)	Good/Poor
Cable terminations correctly crimped	Yes/No
Terminations tight	Yes/No
Terminations free of corrosion	Yes/No
Terminal blocks free of defects	Yes/No
Strapping links clear of earths	Yes/No
Fuse contact one piece type	Yes/No
Test switch looped	Yes/No

RELAYS

Shelf type tied down	Yes/No/NA	Q style retainer in place	Yes/No/NA
Mounting screws secured	Yes/No/NA	XR Q style service date.....	
XR Relay Number	TYPE		

Contact	1	2	3	4	5	6
Front/Heel						
Back/Heel						

1

2

ER RELAY NUMBER
TYPE
FPM

PTF contacts looped	YES/NO/NA
Contact Resistance	1-2 7-8 N/A

TIME DELAY RELAYS

Relay name	Number	Design Time	Test Time
1			
2			
3			
4			

PLANS

Control circuit details on site	YES/NO
Track Plan on site	YES/NO
Box Plan on site	YES/NO
Certified copies	YES/NO



Active Level Crossing Audit Sheet

EARTH LEAKAGE

BL NUMBER + ve -ve

BL BATTERIES

Number	Voltage off load	Voltage on load
Total voltage		

Battery terminations clean YES/NO
 Battery terminations tight YES/NO
 Battery and internal leads approved type YES/NO
 Battery leads coated with approved coating YES/NO
 Termination posts twisted/raised YES/NO
 Cell change required YES/NO
 Exterior Acid Sticker attached YES/NO
 Battery history card on-site YES/NO

TRACK BATTERIES

Track Circuit Number	Voltage	Condition

BATTERY CHARGER/POWER SUPPLY

Type RZ42/RX10C/TRISAN

Charge Current Min Max

Where RZ42/TRISAN is fitted

RZ42/Trisan open circuit voltagevolts Standing load current.....Amps
 LED output is operational YES/NO Operating load current.....Amps
 Output wiring 2.5mm YES/NO
 Separate 110V input fuse YES/NO/NA
 Separate 4 amp CB on 240V supplies YES/NO/NA RCD fitted to GPO YES/NO/NA
 Backing plate fitted to unit YES/NO/NA



Active Level Crossing Audit Sheet

HIGHWAY CROSSING LIGHTS

LEDs/Roundels secured	YES/NO	Door seals effective	YES/NO
Roundels correct type	YES/NO	Unit clean	YES/NO
Lens/Roundels condition	Good/Poor	Side glass intact	YES/NO
Condition of hoods and backgrounds	Good/Poor	Side light operational	YES/NO/NA
ILOD Installed	YES/NO/NA	All LEDs operational	YES/NO/NA
Crossarm condition	Good/Poor		

MAST 1	AE	BE	CE	DE	FE	GE	
Lamp Voltage							
Reflector Condition							
MAST 2	HE	JE	KE	LE	ME	NE	
Lamp Voltage							
Reflector Condition							

ALIGNMENT OF LIGHTS

Any obstruction to clear sightings YES/NO

Comments

Light Unit alignment Good/Realigned/Requires further attention

Comments

GONG

Service Number..... Condition acceptable YES/NO
 Currentma Adjustments made YES/NO
 Beats per minute..... Service due YES/NO

Service Number..... Condition acceptable YES/NO
 Currentma Adjustments made YES/NO
 Beats per minute..... Service due YES/NO

ELECTRONIC BELL

Clear Audio YES/NO
 Monitored (MTSS) YES/NO

Clear Audio YES/NO
 Monitored (MTSS) YES/NO

STROBE

White/Amber strobe operational YES/NO/NA



Active Level Crossing Audit Sheet

MASTS AND HARDWARE CONDITION

Bolts and fastenings	Good/Poor	Foundations	Good/Poor
Vertical alignment	Good/Poor	Ladder	Good/Poor
Split base	Good/Poor	Mast Condition	Good/Poor

MAST SIGNS

Railway Crossing (Cross bucks)	Good/Poor
Stop on Red Signal	Good/Poor
Track Sign	Good/Poor/NA

TRACK CIRCUITS

Insulated rail joints	Electrically effective	Yes/No/NA
	Physical Condition	Good/Poor/NA
	End post require trimming	Yes/No/NA
Track leads	Rail connector condition	Good/Poor
	Pothead Terminations	Good/Poor
	Physical Condition	Good/Poor
	Leads secured	Yes/No
	Correct track polarity	Yes/No
Shunt tests completed		Yes/No
GCP requirements	System status EZ.....	EX.....
	Tx / Rx rail connection	Good/Poor
	Shunt condition	Good/Poor
	50% studs installed	Yes/No

ADVANCE WARNING SIGNS

In place	Yes/No
Good condition	Yes/No
Clearly visible	Yes/No

ROAD MARKINGS

Stop line clearly visible	Yes/No
RAIL X clearly visible	Yes/No



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RECORD KEEPING

Date of Signal Maintainer's last two inspections **Inspections regular** Yes/No

Date of last two Operation tests **Inspections regular** Yes/No

Records correctly stored	Yes/No	Power Indicators Operational	Yes/No/NA
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TEST COMPLETED AT HOURS

INSTALLATION LEFT IN FULL OPERATIONAL CONDITION	YES/NO

ADDITIONAL TESTS COMPLETED

[illegible]**WORK COMPLETED AT THE TIME OF AUDIT**[illegible]

WORK REQUIRED (CORRECTIVE ACTIONS)

[illegible]