

**NEW EQUIPMENT & SYSTEM APPROVAL PROFORMA**

**Ref: 08-08-11-079**

Note: the prompts given below are only a guide to the information required for approval. Dependent on the type of equipment or system that requires approval delete any section that is not applicable or include additional information if necessary. **Mandatory** fields are marked with an asterisk (\*).

**1 Equipment or System to be approved \***

**Pandrol Fastclip FC1511 (Longreach)**

**2 Originator \***

Name: Wayne Potter

Company: ARTC

**3 Introduction \***

ARTC required a resilient fastening that was suitable for the 30TAL HD concrete sleeper and AS47kg rail configuration. Pandrol have developed the Longreach clip that has extra length to retain the foot of the rail, while also incorporating the use of modified side post insulators and rail pads (both thicker) resulting in the same build height as 60kg rail with standard jewellery. The clip can be reused when converting to 60kg rail, however the rail pads and side post insulators will need to be changed over to those compatible with the FC1509 Fastclip assembly. The product has undergone full laboratory testing satisfying both ARTC and the Australian Standard for resilient fasteners (AS1085.19)

**4 Determination of Need \***

If HD 30TAL prestressed concrete sleepers are used where AS47kg rail is present, the default Pandrol Fastclip FC1509 does not have sufficient reach to retain the rail adequately. Pandrol have designed and developed a "Longreach" clip to be used where 47kg rail is to be used with the HD concrete sleeper.

**5 Significant Change or Not (as determined by the Manager Standards) \***

This change in equipment or system is assessed as MINOR

**6 Review Panel (as determined by the Manager Standards) \***

- Maintenance Manager – Graeme Templer
- Civil and Environmental Standards Engineer - Wayne Potter
- Civil Standards and Technical Services Engineer – Tim Calver

**7 Performance and Suitability**

The FC1511 has been laboratory tested in accordance with ARTC standard ETD-02-04 issue A.1 and is also compliant with the requirements of AS1085.19. The full laboratory test report is attached. The testing was also independently witnessed by ARTC.

**8 Approval \***

The FC1511 Fastclips are approved for use by ARTC network wide.

**9 Conditions of Approval \***

No conditions

**10 Does the Originator accept the additional Conditions of Approval as set by the Review Panel:**

Yes

☐

No

☐

N/A

☒

**11 Sign off**



**ARTC office use only**

**Review Panel:**

Graeme Templer

Wayne Potter

Tim Calver

Date:

25/6/07

Date:

25/6/07

Date:

25/6/07