

# Tail Rotor Control Rigging

## Rigging Type (✓)

Harmonize (Adjustment)	<input type="checkbox"/>	Other Checks (Check Rig)	<input type="checkbox"/>
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Sheet No: \_\_\_\_\_

## Aircraft Details

Serial Number	Mark	Date	Unit	Location	A/F Hours	SNOW
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

## Rigging Plate Confirmation Check (✓)

All 4 TRH Rigging Plates are aligned correctly using TRH setting tool ASTE 1254 (Held within ASTE 1261) or ASTE 1257.

Found Correct	<input type="checkbox"/>	Setting/Correction Required	<input type="checkbox"/>	SNOW of Setting/Correction	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
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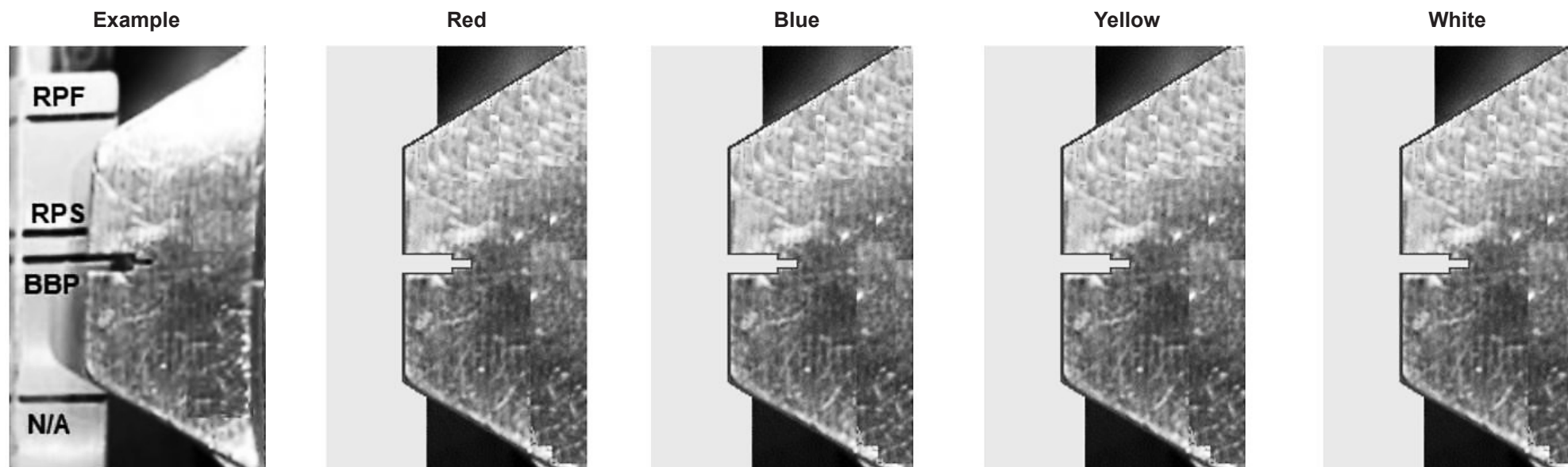
Supervisor's Details	
Rate/Rank & Name	<input type="text"/>
Service/ Employee Number	<input type="text"/>

## Tail Rotor - Basic Blade Pitch (BBP) Check using ASTE 1255 Clinometer Board (held within ASTE 1261)

Tail Rotor Blade	Found Angle (Allowed Range +0.2 to +0.4)	Pitch Change Rod Angle Adjustment Required (+/- 0.0)	Pitch Change Rod Actual Adjustment (Measured in +/- Flats)	Post Adjustment Angle (Range +0.2 to +0.4) (Aim for +0.3)	Check the BBP Alignment Mark is Within the Rigging Sight? (Y/N) (Example over page)
Red	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Blue	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Yellow	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
White	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

## Record of Basic Blade Pitch (BBP)

It is possible the BBP alignment marking may not agree with the new clinometer rigged position, in all cases it is imperative you record an accurate visual representation of alignment markings post rigging. The charts below will then act as a valuable reference to achieve a successful rig when embarked.



## Tail Rotor - Yaw Pylon/Pedal Stops Check using ASTE 1255 Clinometer Board (held within ASTE 1261)

Collective Lever Position	Yaw Pedal Position	Allowable Range	Found Angle (+/- 0.0)	Final Angle Post Adjustment (+/- 0.0)	Confirm the Stop Screw Touches the Stop Pad at Correct Pylon/Pedal Stop	Relevant Alignment Mark	Check the Relevant Alignment Mark is Within the Rigging Sight (Y/N)
MIn	RP Full Fwd	-8.5 and -9.5				RPF	
Max	RP Full Fwd	-0.9 and -1.9				RPS	
Min	LP Full Fwd	+16.7 and +17.7				LPS	
Max	LP Full Fwd	+27.0 and +28.0				RS	

# Instructions for Use

## Tail Rotor Control Rigging – MOD Form/Format 728(TRH)(Wildcat)

### Insertion

1. MOD Form/Format 728(TRH)(Wildcat) shall be inserted into every Aircraft MOD Form 700C. This form/format may remain blank until the first instance of a clinometer rig.
  - a. The Supervisor conducting Tail Rotor Control Rigging is responsible for full and accurate completion of the MOD Form/Format 728(TRH)(Wildcat) using data gathered whilst completing clinometer rigging iaw the Wildcat CIETP data modules.
  - b. A 'Harmonize (Adjustment)' is required post the adjustment of a component or if an adjustable item has been replaced. An 'Other Checks (Check Rig)' is used to confirm an Aircraft is correctly rigged and should not involve any adjustment to the flying control system.
  - c. If an 'Other Checks (Check Rig)' form has been completed it is to be inserted in the MOD Form 700C immediately behind the 'Harmonize (Adjustment)'. Any previous 'Other Checks (Check Rig)' form can now be removed from the MOD Form 700C and destroyed.
  - d. The Sheet Number of a 'Harmonize (Adjustment)' shall be populated sequentially. The Sheet Number of an 'Other Checks (Check Rig)' shall be populated using the current 'Harmonize (Adjustment)' Sheet Number annotated with the letter **"C"**.

### Removal

2. The MOD Form/Format 728(TRH)(Wildcat) shall only be removed from the MOD Form 700C when a new MOD Form/Format 728(TRH)(Wildcat) 'Harmonize (Adjustment)' is inserted. The removed MOD Form/Format 728(TRH)(Wildcat) 'Harmonize (Adjustment)' shall be placed in the MOD Form 700A. Any associated 'Other Checks (Check Rig)' forms can now be destroyed.

### Retention

3. A MOD Form/Format 728(TRH)(Wildcat) 'Harmonize (Adjustment)' shall be retained in the MOD Form 700A until a new MOD Form/Format 728(TRH)(Wildcat) 'Harmonize (Adjustment)' is inserted. Once it has been replaced it may be destroyed.