

# BAC5423

REVISION  
W  
9/2/1999

PENETRANT METHODS OF  
INSPECTION



THIS SPECIFICATION ESTABLISHES REQUIREMENTS FOR THE PRE-INSPECTION CLEANING AND POST-INSPECTION CLEANING OF PARTS REQUIRING LIQUID PENETRANT INSPECTION IN ACCORDANCE WITH BSS7039. ACCEPTANCE REQUIREMENTS FOR SELECTED PRODUCT FORMS ARE INCLUDED.

<u>BAC 5423 DEPARTURES</u>	<u>EFF DATE</u>	<u>SUBCONTRACTOR(S) AFFECTED</u>	<u>ON MODELS</u>	<u>MFG DEPTS OF DIV BELOW AFFECTED</u>	<u>REASON</u>
6-155	10/26/2001	ALL	ALL COMMERCIAL AIRPLANES AND DERIVATIVES THEREOF	ALL BCAG AND SUPPORTING	TO ADD DEFINITION OF TOOLING/PILOT HOLES AND ADD INSPECTION CRITERIA.
6-156	11/18/2004	ALL	ALL COMMERCIAL AIRPLANES AND DERIVATIVES THEREOF	ALL BCAG AND SUPPORTING	TO CLARIFY REQUIREMENTS FOR POST-CLEANING BEFORE NEXT OPERATION.
6-158	9/16/2008	ALL	ALL COMMERCIAL AIRPLANES AND DERIVATIVES THEREOF	ALL BCA AND SUPPORTING	ADD ACCEPTANCE CRITERIA FOR RECENTLY IMPLEMENTED THICK PLATE PRODUCTS.
6-159	7/27/2011	ALL	ALL COMMERCIAL AIRPLANES AND DERIVATIVES THEREOF	ALL BCA AND SUPPORTING	TO ELIMINATE REJECTIONS AND SCRAP OF MACHINED PARTS FOR DEFECTS WHICH HAVE BEEN SHOWN BY TEST TO HAVE NO DELETERIOUS EFFECT UPON PART QUALITY, SPECIFIC FATIGUE PERFORMANCE.
8-8	10/8/1980	BRITISH HOVERCRAFT CORPORATION LIMITED	ALL HELICOPTERS	NONE	TO PERMIT USE OF WESTLAND HELICOPTERS PROCESS SPECIFICATION
8-12	9/12/1990	ALL BOEING HELICOPTERS	ALL	BOEING HELICOPTERS AND SUPPORTING	TO ADJUST PENETRANT SENSITIVITY REQUIREMENTS TO REFLECT THE IMPROVEMENT IN PENETRANTS PER THE LATEST REVISION TO QPL 25135.
8-14	12/22/2009	VECTOR AEROSPACE - ALMONDBANK, UK	ALL BH	NONE	TO PERMIT USE OF ASTM E 1417 FOR VECTOR AEROSPACE, ALMONDBANK, UK
8-16	12/12/2011	ALL	ALL BDS PHILADELPHIA	ALL BDS PHILADELPHIA AND SUPPORTING	ADD ACCEPTANCE CRITERIA FOR MAGNESIUM CASTINGS FOR BDS PHILADELPHIA
9-9	2/18/1994	ALL	494 (F-22)	BOEING DEFENSE AND SPACE GROUP AND SUPPORTING	TO INCLUDE F-22 TEAM SPECIFICATIONS IN THE ACCEPTANCE CRITERIA LIST.
9-19	6/22/2004	NOT AVAILABLE			
9-20	8/26/2013	ALL	SPACE STATION, DELTA, CCiCAP, SPACE LAUNCH SYSTEMS	BDS AND SUPPORTING	TO ADD ACCEPTANCE REQUIREMENTS TO INCLUDE STP0504 CLASS SIZES.
9-21	11/12/2013	ALL	ALL BDS	BDS AND SUPPORTING	TO ELIMINATE REJECTIONS AND SCRAP OF MACHINED PARTS FOR DEFECTS WHICH HAVE BEEN SHOWN BY TEST TO HAVE NO DELETERIOUS EFFECT UPON PART QUALITY, SPECIFIC FATIGUE PERFORMANCE.