

### ***Project Case Study 1:***

<b>Customer:</b>	Bombardier (Short Brothers), Belfast, Northern Ireland
<b>Project:</b>	de Havilland Dash-8/400 regional turboprop airliner
<b>Task Description:</b>	Production of electronic inputs to the airframe manuals for the aft engine nacelle, integrated by the prime customer
<b>Duration:</b>	Project commenced October 1996 with first issue manuals released in Quarter 1 of 2000. Production started after a preliminary period of testing to ensure all customer requirements had been interpreted correctly and that data transfer processes functioned satisfactorily. The revision service is continuing.
<b>Specification:</b>	ATA 100 & ATA 2100
<b>Formats:</b>	Text in SGML; illustrations in CGM
<b>Delivery media:</b>	Electronic files via FTP link for AMM, SRM and AIPC; CD-ROM for CMMs
<b>Published media:</b>	CD-ROM and/or DVD (low level IETP – reader access software believed to be Split Vision Aero)
<b>Quality Assurance:</b>	BS EN ISO 9001 and GKN procedure WOS-661-013



GKNAES Technical Publications produced data modules for the Aircraft Maintenance Manual, Structural Repair Manual and Aircraft Illustrated Parts Catalogue for the aft engine nacelle, including systems and engine mounting structure. Component Maintenance Manuals were produced for a number of repairable parts.

Throughout the programme and, subsequently, for the Service Bulletin and revision service, GKNAES has managed the supply of data inputs from sub-tier supplier Barry Controls of California, USA.

### ***Project Case Study 2:***

<b>Customer:</b>	Lockheed Martin, Atlanta, Georgia
<b>Project:</b>	C27J turboprop military transport
<b>Task Description:</b>	Production of electronic data inputs to the airframe manuals for the engine nacelle, integrated by the prime customer
<b>Duration:</b>	Commenced in April 1998 and, following release of initial issue manuals, continues with a full revision service
<b>Specification:</b>	ATA 100 & ATA 2100
<b>Formats:</b>	Text in SGML and MS-Word; illustrations in CGM
<b>Delivery media:</b>	Electronic files via FTP link for AMM, SRM, AIPC and BDRM; CMMs as electronic files via FTP link and on CD-ROM
<b>Published media:</b>	C130J – printed bound manuals C27J – CD-ROM (reader access was via a product such as Split Vision Aero)
<b>Quality Assurance:</b>	BS EN ISO 9001 and GKN procedure WOS-661-013



GKNAES secured the follow-on work for the engine nacelle for the C27J because of its successful performance on the C130J project. This was in respect of design and manufacture as well as the Technical Publications. GKNAES Technical Publications produced data inputs for the C27J engine nacelle sections of the Aircraft Maintenance Manual, Structural Repair Manual, Aircraft Illustrated Parts Catalogue and Battle Damage Repair Manual for the C130J Hercules. Component Maintenance Manuals were also produced for a number of repairable parts.

Throughout the C27J initial issue programme and, subsequently, for the Service Bulletin and revision service, GKNAES has managed the supply of data inputs from sub-tier supplier Barry Controls of California, USA.

### ***Project Case Study 3:***

<b>Customer:</b>	Rolls-Royce, Derby
<b>Project:</b>	Trent 700 turbofan engine for the Airbus A330 series of airliners
<b>Task Description:</b>	Production of printed document sections and soft copy for the fan cowl door structure
<b>Duration:</b>	Commenced in March 1997 and continues with a full revision and operator support service
<b>Specification:</b>	ATA 100
<b>Formats:</b>	Text in MS-Word; illustrations in TIFF
<b>Delivery media:</b>	Printed pages or complete publications with soft copy, plus some data files as E-mail attachments
<b>Published media:</b>	Printed bound manuals
<b>Quality Assurance:</b>	BS EN ISO 9001 and GKN procedure WOS-661-013



GKNAES Technical Publications inherited the Technical Publications task for the Trent 700 fan cowl door after the production had commenced. GKNAES undertook the reformatting of the existing material to bring it fully into line with the customer's requirements. Completely new sections of the Aircraft Maintenance Manual, Structural Repair Manual and Aircraft Illustrated Parts Catalogue were produced for modified variants of the fan cowl door.

A significant part of the revision and support service for these publications, involves the production and incorporation into the Structural Repair Manual of Technical Variances, supplied direct to airline operators.

### ***Project Case Study 4:***

<b>Customer:</b>	Honeywell, Phoenix, Arizona
<b>Project:</b>	Bombardier Continental BD100 turboprop airliner
<b>Task Description:</b>	Production of electronic inputs to the airframe manuals for the engine nacelle and thrust reverser system, integrated by the aircraft manufacturer
<b>Duration:</b>	Commenced in February 1999 with first issue manuals released in June 2003. A full revision service will follow.
<b>Specification:</b>	ATA i2200
<b>Formats:</b>	Text in SGML; illustrations in CGM
<b>Delivery media:</b>	Electronic files via FTP link for AMM, SRM, FIM, NDTM, PPBM, SSM and AIPC, also CMMs
<b>Published media:</b>	CD-ROM and/or DVD (low level IETP – reader access software believed to be Split Vision Aero)
<b>Quality Assurance:</b>	BS EN ISO 9001 and GKN procedure WOS-661-013



GKNAES Technical Publications has produced data modules for the Aircraft Maintenance Manual, Structural Repair Manual, Fault Isolation Manual, Non-Destructive Test Manual, Power Plant Build Manual, Systems Schematic Manual and Aircraft Illustrated Parts Catalogue for the engine nacelle, including the thrust reverser and other systems. Component Maintenance Manuals have been produced for a number of repairable parts.

Throughout the programme and, subsequently, for the Service Bulletin and revision service, GKNAES is managing the supply of data inputs from sub-tier supplier Hurel-Hispano (Hurel-Dubois) of Toulouse, France and Burnley, England.

