BAE Systems Regional Aircraft has a proud UK aviation heritage which stretches back almost a century. Based at Prestwick in southwest Scotland, where there has been an aerospace presence for over 80 years, Regional Aircraft today is a total integrated aircraft support provider.

The Flight Operations Support (FOS) service is based at BAE Systems Regional Aircraft’s Prestwick site. We are responsible for Flight Operations Integrity, Airline Flight Operations Support, Operational Performance Support, Flight Test Engineer activities, Operational Performance Software and Performance Training.

Meet the team...

Stephen Morrison  
Project Engineer - Head of Flight Operations Support

Daniel McNish  
Senior Engineer - Flight Operations Support

Colin Wilcock  
Flight Safety and Integrity Pilot
Colin has recently celebrated his 50th anniversary of flying. During his career he has flown a multitude of aircraft starting with the RAF on fast jets and then moving on to fly all the Regional Aircraft types including spells as a Jetstream test pilot and ATP, 146/RJ Line Captain.

Our pedigree...

BAE Systems Regional Aircraft has a proud UK aviation heritage which stretches back almost a century. Based at Prestwick in southwest Scotland, where there has been an aerospace presence for over 80 years, Regional Aircraft today is a total integrated aircraft support provider.
Our activities...

The main activities carried out by Flight Operations Support are:

**Flight Operations Support**
Offer advice and solutions to Customers’ operational requirements. Run an annual well supported Flight Operations Support conference.

**Flight Operations Integrity**
Continually monitor and review flight operations integrity issues, ensuring increased operational safety.

**Operational Performance Support**
Provide advice and solutions to Customers’ performance issues.

**Performance Software Services**
Offer operational performance software or outputs as required (e.g. Airport Analysis RTO & RLW charts), and provide continued support and advice.

**Performance Training**
Provide Performance and Dispatch Courses.

**Publications**

100 Ways to Reduce Fuel Burn brochure
A guide for all BAE Systems Regional Aircraft operators

Remote Runway Operations brochure
A guide for operators of the BAe 146 and Avro RJ

Think Ice brochure
Icing awareness for all BAE Systems Regional Aircraft operators

JETSETS
Flight Safety newsletters: JET and Turbprop Support, Engineering, Training and Safety
Our customer services...

- Provide a point of contact for operational queries
- Provide simplified practical data to the Customers’ requirements
- Offer airfield analysis - RTOW and RLW charts
- Offer route analysis for marketing purposes - fuel planning, sector time, fuel and payload estimates
- Provide weight and balance systems and procedures
- Support aircraft introduction into service
- Offer performance software.

Our customer training...

In addition to the customer services, Flight Operations Support offer pilot/engineer/dispatcher training in performance and weight and balance. The Aircraft Performance Course covers the following areas:

- Factors Governing Take-off Weight and Speed
- Take-off Climb and Obstacle Clearance
- Reduced Take-off Thrust
- En-route Performance
- Landing Performance
- Worked examples from the Flight Manual performance charts
- Fuel Planning examples from the FCOM.

Dedicated to support your Operations
Our software...

Flight Operations Support and our collaboration partners Navtech can provide Operational Performance software for Regional Aircraft types, allowing Customers to produce regulated take-off and landing weight charts. Marketing software CAPECS is also available for estimating sector time, fuel burn and payload.

Alternatively, the analysis can be carried out using this software by the Flight Operations Support Department and the RTOW and RLW charts provided to customers as required.

Navblue is a leading global provider of flight operations solutions, serving more than 350 airlines and aviation services customers.

Navblue’s product suite includes navigational data solutions, flight planning, aeronautical charts, aircraft performance software (take-off/landing, weight and balance), and crew planning solutions.

For the BAE Systems turboprops and BAE 146/Avro RJ we offer the Take-off Data calculation (ToDc) software based on reading the BAE Systems Manufacturers Module representing the AFM Flight Manual charts. Ferry datasets and High Altitude Airport datasets are also available.

See www.navblue.aero for more details

The MM and ToDc cover the following:
- Dry and wet runway
- Flaps up ferry
- Contaminated runway
- Gear down ferry
- Three engine ferry
- High altitude datasets

Pacelab CI OPS is the comprehensive cost index operations solution for regional aircraft.

The software supplies the variable speed schedules required for CI-optimized flight planning and supports tactical economic decisions on board by enabling flight crews to recalculate the most cost-efficient trajectory for a given set of flight conditions. Available for the Avro RJ series of aircraft.

See www.txtgroup.com for more details or email: info@txtgroup.com

Dynamic Source have an in-depth knowledge of airline flight operations and advanced system development within EFB and Flight Operations. They provide user centric solutions with the high reliability demanded by the aviation industry and have supplied systems to airlines since 2009.

Dynamic Source offer a unique and complete aircraft performance solution that provides Optimized off-line SCAP based performance calculations during all phases of flight. Solutions are fully customizable.

See www.dynamicsource.se for more details
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<thead>
<tr>
<th>Item Number</th>
<th>Item</th>
<th>Customer Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Hire of Flight Test Stall Panel</td>
<td>Where Customer provides Flight Test Engineer.</td>
</tr>
<tr>
<td>2</td>
<td>Marketing Support and/or Consultancy</td>
<td>RTOW and RLW charts, airfield performance analysis route studies, consultancy.</td>
</tr>
<tr>
<td>3</td>
<td>2.5 day Performance Courses at BAE Systems Prestwick</td>
<td>Course primarily focussed on the BAe 146/Avro RJ.</td>
</tr>
<tr>
<td>4</td>
<td>3 day Performance Courses at Operator home base</td>
<td>Course primarily focussed on the BAe 146/Avro RJ.</td>
</tr>
<tr>
<td>5</td>
<td>1 day Jetstream 41 Performance Courses at BAE Systems Prestwick</td>
<td>Performance Course focussed on the Jetstream 41 manuals and performance.</td>
</tr>
<tr>
<td>6</td>
<td>Take-off Data calculation ToDc software for Jetstreams, ATP and BAe 146/Avro RJ</td>
<td>See <a href="http://www.navblue.aero">www.navblue.aero</a> This provides airport data, airport surveillance, Regulated Take-off and Landing RTO and RLW charts for each runway in your system.</td>
</tr>
<tr>
<td>7</td>
<td>EFB solution provided by Dynamic Source</td>
<td>See <a href="http://www.dynamicsource.se">www.dynamicsource.se</a> Dynamic Source Performance is the next generation suite of applications for pilots, dispatchers and flight operations engineers for take-off, dispatch landing and time of arrival landing aircraft performance calculations. iPad compatible.</td>
</tr>
<tr>
<td>8</td>
<td>OPECS datasets</td>
<td>Where additional datasets are required after initial OPECS delivery.</td>
</tr>
<tr>
<td>9</td>
<td>The Pacelab CIOPS Cost Index Model for the Avro RJ</td>
<td>See <a href="http://www.txtgroup.com">www.txtgroup.com</a> Provides a Cost Index and Cost Optimisation tool for the Avro RJ.</td>
</tr>
<tr>
<td>10</td>
<td>3 Engine Ferry ToDc dataset for the BAe 146/Avro RJ</td>
<td>Produces RTOW charts for 3 engine ferry using Navblue and Dynamic Source products.</td>
</tr>
<tr>
<td>11</td>
<td>Gear Down Ferry ToDc dataset for the BAe 146/Avro RJ</td>
<td>Produces RTOW charts using Navblue and Dynamic Source products.</td>
</tr>
<tr>
<td>12</td>
<td>Flaps up Ferry ToDc dataset for the BAe 146/Avro RJ</td>
<td>Produces RTOW charts using Navblue and Dynamic Source products.</td>
</tr>
<tr>
<td>13</td>
<td>All 3 Ferry ToDc datasets for the BAe 146/Avro RJ</td>
<td>Produces RTOW charts using Navblue and Dynamic Source products.</td>
</tr>
<tr>
<td>14</td>
<td>Bump rating ToDc dataset for the BAe 146</td>
<td>BAe 146 only, not Avro RJ. Addresses higher Take-off TGT limit.</td>
</tr>
<tr>
<td>15</td>
<td>High Altitude datasets for the BAe 146/Avro RJ</td>
<td>Produces RTOW charts for High Altitude airports using Navblue ToDc. AFM Appendix required for High Altitude.</td>
</tr>
<tr>
<td>16</td>
<td>Take-off Full Flex N1 setting tables - Engine Anti-ice OFF and ON for the BAe 146/Avro RJ</td>
<td>Masters provided which can be printed and laminated for cockpit use. Only available up to 3000 ft. airport altitude.</td>
</tr>
</tbody>
</table>
The following telephone number or e-mail contact Flight Operations Support using items of discussion to provide solutions and please consider all of the above as potential BAE Systems terms and conditions apply.

For those customers not holding an account with BAE Systems, a pro-forma invoice will be offered for payment in advance.

Provision of a service or software will commence upon the customer signing and returning an Authority To Proceed form to the Flight Operations Support department at Prestwick, e-mail raftops@baesystems.com

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<tr>
<td>17</td>
<td>Airport Critical Performance and Obstacle determination - all types.</td>
<td>Identifies possible RTOW improvements.</td>
</tr>
<tr>
<td>18</td>
<td>All Engine Climb Gross Gradient charts Flaps UP for the BAe 146/Avro RJ</td>
<td>Used to determine SID performance with All Engines Operating.</td>
</tr>
<tr>
<td>19</td>
<td>All Engine Climb Gross Gradient charts Flaps 18, 24, 30 for the BAe 146/Avro RJ and also for the Avro RJ, 33 deg</td>
<td>Used to determine special performance with All Engines Operating.</td>
</tr>
<tr>
<td>20</td>
<td>Net Driftdown Profiles – Non icing and engine and airframe anti-icing ON, range of weights, ISA, ISA + 20 deg C</td>
<td>Gives the driftdown shapes from engine failure to stabilisation in terms of time, distance and fuel.</td>
</tr>
</tbody>
</table>

Contact us...

Please consider all of the above as potential items of discussion to provide solutions and contact Flight Operations Support using the following telephone number or e-mail addresses.

Tel: +44 (0) 1292 675225  
E-mail: raftops@baesystems.com, stephen.l.morrison@baesystems.com