CIRIUM

Delivering value and insight through accurate and reliable **schedule data**

Flight schedules are one of the key building blocks behind successful global aviation planning and strategy. The ability to accurately understand when, how and where an airline is flying - historically, now and in the future - is essential to helping aviation stakeholders to gain decision making insights into risk management contingencies, cost saving initiatives and analysis optimization.

What are schedules?

Schedules provide an overview of planned airline flight activity. The insight gained from schedule data on take-off, in-flight and arrival times is critical to airline planning, helping to ensure airlines seats can be sold and that resources are optimally deployed to meet demands and maximize profits.

Flight scheduling itself is complex and is influenced by a range of factors including, airport location and infrastructure, slot availability, distance flown, aircraft types, service types, meal service, traffic rights, fuel specifications, turnaround times, staffing requirements, and seasonal demand.

While flight schedules are created several months in advance, they are also sensitive to volatility and disruption. Geopolitical events, pandemics, airport repair and construction requirements can all impact schedule data and airlines often deploy resources to ensure that schedules are updated in real-time.
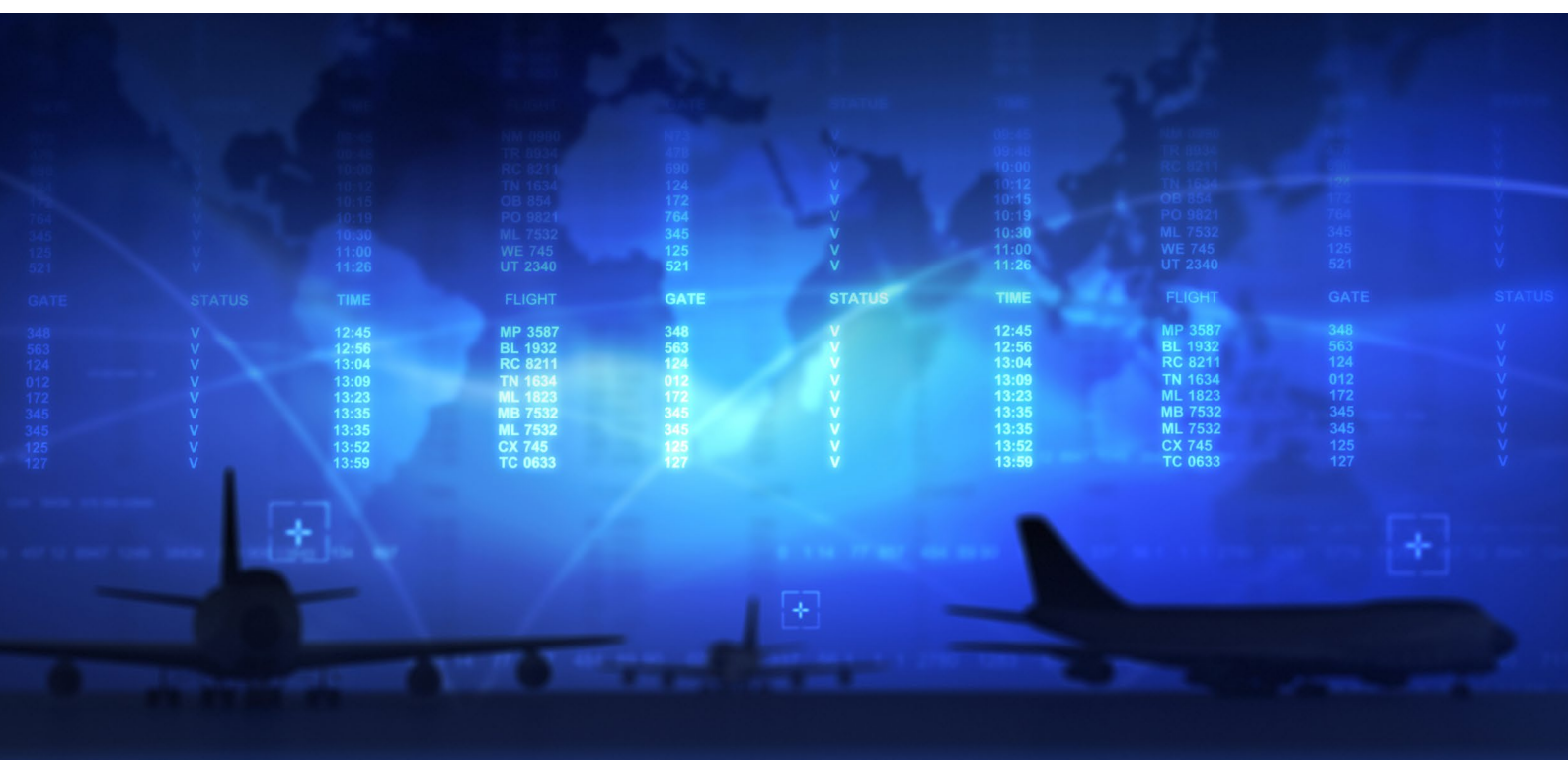
How does schedules data bring value?

Flight schedules fundamentally shape, inform, and solve business challenges for airports and airlines, including:
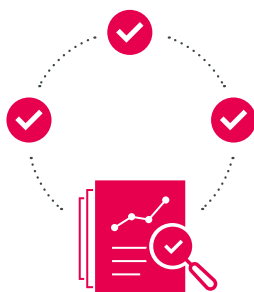
Airlines and Airports

- Analyze schedule change/evolution over time
- Identify new air service opportunities
- Benchmark competitors
- Optimize and create a more resilient network
- Build stronger models for planning and revenue management
- Optimize yield through trend analysis
- Forecast CO_2 emissions and fuel demand
- Improve alignment of network planning initiatives with operations
- Create a deliverable schedule.

Our Processes

How do we ensure accurate schedules data?

Cirium works closely with carriers to ensure that our schedules data is accurate and timely. Our team of experts work to apply daily reference data and schedule changes resulting in many thousands of daily and monthly changes to help ensure the robustness of our schedules data.

What quality checks do we undertake?

Data quality is everything when it comes to getting useful insight from schedules.

We put our schedules data through a normalization process to flag, review, and work with our airline partnerships to correct data errors before it gets to our customers.

Our customers value us for the ongoing reliability of our data feeds to the aviation industry.

How do we deliver schedules data to where its most needed?

Our data is interoperable with our clients' needs, making it available how, where and when it is needed. To that end, we ensure that users can access the schedules data they need in the format they want, through:

- Standard Schedules Information Manual (SSIM)
- Custom data formats
- Modern Schedule and Connection API products
- User interfaces such as Diio / SRS – the long-time recognized leading airline planning intelligence tool
- Cirium Sky – The industry's most comprehensive Aviation Data Warehouse.

How does Cirium provide world-class schedule data?

As the most-trusted provider of aviation data, Cirium has provided our customers with reliable schedule and route data for over 40 years giving our users the ability to gain valuable insights for travel distribution, airline planning, industry trends, while helping to better understand risk and assist with profitability.

Cirium works with over 900 passenger and cargo airlines to deliver the most accurate, reliable, timely and verified flight schedules available. We receive schedule updates daily which we can share with our customers so that they can stay abreast of market developments. Our schedules data spans over 97% of the word's commercial airline traffic. Schedule data looks forward 11 months and is updated more than 100,000 times per day, ensuring the information is updated to our clients as we receive it.

How can we enrich flight schedules?

The additional value of our schedules data is unlocked when it is combined and enriched with other Cirium data sets to deliver greater depths of insight.

For example, combining schedules data with our market leading global aviation aircraft data means that users can gain a more rounded view of how other factors such as aircraft type, age, value, etc which can help to forecast demand for maintenance services.

Schedules data can be combined with Cirium's broader analytics data to help forecast air travel demand.

It can also be combined with our emissions data to help users get a true view of environmental and sustainability impact of specific routes.

Learn more

Cirium works closely with clients across industries and borders to deliver the data insight solutions they need. We know that every customer and operation is unique and we are on hand to help you unlock insight and value through our schedules data.

Find out more at **cirium.com**

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