

***NATIONAL WEATHER SERVICE  
PRODUCT/SERVICE DESCRIPTION DOCUMENT (PDD)  
TYPE: Official Product  
DATE: January 30, 2003***

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TRANSCRIBED WEATHER BROADCAST (TWEB)

**Part 1 - Mission Connection**

**1. Product/Service Description:**

TWEBs are operational forecasts of weather impacting flight along a route, or in the vicinity of an airport. Some TWEBs also contain a synoptic forecast. TWEBs are produced for more than 200 routes and local vicinities in the continental U.S.

Anchor Points: Intermediate and end points used to define the TWEB route.

TWEB Route: A 50 nautical mile (nm) wide corridor (25 nm either side) along a line connecting anchor points of the route, and a 25 nm radius semi-circle around the end points. Exceptions to the 50 nm wide corridor occur where larger, irregularly shaped areas are covered.

TWEB Route Forecast: Forecasts describing specific information on sustained surface winds (25 knots or greater), visibility, weather and obscuration to vision, sky conditions (coverage, ceiling/cloud heights, and cloud tops), mountain obscuration, and nonconvective low-level wind shear along a route during a 12-hour period.

TWEB Local Vicinity Forecast: An aviation weather forecast valid for a 12-hour period, covering an area with a radius of 50 nm, which may contain several airports.

TWEB Synopsis: A brief description of weather systems, such as fronts, high/low pressure centers and freezing levels affecting the route during the forecast period.

**2. Purpose/Intended Use:**

Provide weather information important for flight to Federal Aviation Administration Flight Service Station (FSS) briefers and to General Aviation (GA) pilots.

**3. Audience:**

FSS briefers and GA pilots.

**4. Presentation Format:**

The TWEB is an alphanumeric forecast transmitted via the NWS Telecommunications Gateway to FAA telecommunications circuits and the internet.

**5. Feedback Method:**

Comments regarding the TWEB can be submitted through the local Weather Forecast Office homepage. Feedback can also be sent to the Regional Aviation Meteorologist at each region. This information is forwarded to NWS Headquarters for review. Technical comments or policy questions for the TWEB may be addressed to:

National Weather Service Headquarters  
Aviation Services Branch, OS23  
Attn: Mike Graf, Rm #13324  
1325 E-W Highway, SSMC2  
Silver Spring, MD 20910  
email: [Michael.Graf@noaa.gov](mailto:Michael.Graf@noaa.gov)  
Phone: 301-713-1726, ext 117

## Part 2 - Technical

### 1. **Format and Science Basis:**

The TWEB format and content are described in detail in the NWS Instruction 10-805, Transcribed Weather Broadcasts, and can be found at:

<http://www.nws.noaa.gov/directives/010/pd01008005b.pdf>.

### 2. **Availability:**

TWEBs are routinely issued every six hours, four times a day and updated when conditions change and meet amendment criteria. The TWEB is available on the normal NWS dissemination circuits including the INTERNET.

### 3. **Additional Information:**

An example of the TWEB can be found at:

<http://aviationweather.gov/awc/awc-tweb.html>.