Local Weather Network System (LWNS)

Local Operations Client (LOC)

User Operations
• Replaces legacy FCF/FO functionality
  – Added capability:
    • User-definable alert sounds and colors.
    • User-definable alphanumerics (A/N) and graphic product catalogs.
      – Ability to display other alphanumerics (A/N) products.
      – Ability to display graphic products or loops.
    • Receipt acknowledgement of Warnings, Watches, and Advisories.
    • Split-screen display for local ICAO.
    • Ability to display up to 20 alternate ICAOs.
• Runs on standard Windows NT/2000.
• System now on Base LAN.
  - No longer uses dedicated two-wire circuits.
  - Configuration information (i.e. Hub Name, IP Address, Port Number, etc.) available from Base Weather Station.
• Once connected and session is accepted by N-TFS, LWNS/LOC window will appear.
  - Manual login required.
  - Only one assigned position may be active at a time.
• Three types of client logins (configurable from N-TFS Server):
  – LC - Command
  – LO - Operations
  – LS - Supervisor of Flying (SOF)

• Login accomplished in same manner as logging into an N-TFS Client.
• After selecting "TCL icon", LOC login screen appears.
To configure a new LOC Client:

1. Enter **Hub Name** to identify applicable N-TFS Server.
To configure a new LOC Client:

1. Enter **Hub Name** to identify applicable N-TFS Server.
2. Enter **Hub IP** Address of N-TFS Server.
To configure a new LOC Client:

1. Enter **Hub Name** to identify applicable N-TFS Server.
2. Enter **Hub IP Address** of N-TFS Server.
3. Enter **Hub Port** number of N-TFS Server connection port (i.e. 82, 443, etc.).
To configure a new LOC Client:

4. Enter **Proxy IP** and **Proxy Port** information (needed only when LOC location is not collocated at same base/post as the N-TFS Server).
To configure a new LOC Client:

4. Enter **Proxy IP** and **Proxy Port** information.

5. Select connection type (**Normal** or **Secure**).
To configure a new LOC Client:

4. Enter **Proxy IP** and **Proxy Port** information.

5. Select connection type (**Normal** or **Secure**).

6. Click on **OK**. (New name will appear under **Defined Hubs**.)
To reconfigure an LOC Client:
1. Select a **Defined Hub**.
To reconfigure an LOC Client:

1. Select a Defined Hub.
2. Click on Edit.
3. Follow procedures in preceding slides.
Once configured, login to desired Hub:

1. Select a Defined Hub.
Once configured, login to desired Hub:

1. Select a Defined Hub.
2. Click on Connect.
Once configured, login to desired Hub:

1. Select a Hub.
2. Click on Connect.
3. Enter **Name** and **Password** (supplied by Base Weather Station).
Once configured, follow these procedures to Login to desired Hub:

1. Select a Hub.
2. Click on **Connect**.
3. Enter **Name** and **Password** (supplied by Base Weather Station).
4. Click on **OK**.
5. Select position type/number.
5. Select position type/number.

6. Click on **Apply**.
5. Select position type/number.
6. Click on **Apply**.
7. **Local Operations Client** window appears.
LWNS/LOC - Preferences

- To set User Alert Preferences, click on Alert, Preferences.
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User Alert Preferences dialog appears.
To set **Urgent Alert Preferences**, use this box.
• To set Urgent Alert Preferences, use this box.

• To set Routine Alert Preferences, use this box.
To set **Urgent Alert Preferences**, use this box.

To set **Routine Alert Preferences**, use this box.

When finished, click on **Save**.
To set **Urgent Alert Preferences**, use this box.

To set **Routine Alert Preferences**, use this box.

When finished, click on **Save**.

The following slides show how to set alert color and sound preferences.
To set an alert color, click on **Adjust**.
• To set an alert color, click on **Adjust**.
• **Color** dialog appears.
• Select a color.
• Click on **OK**.
• To set an alert sound, click on **Adjust**.
To set an alert sound, click on **Adjust**.

**Open** dialog appears revealing available sounds. (Any .wav file can added to **sounds** folder and used.)

- Select a sound.
- Click on **Open**.
• To hear selected sound, click on Play.
• To hear selected sound, click on Play.

• To silence the alert sound, click the Silence button.
• When an alert is received, you will hear the alert sound that is selected in **User Alert Preferences**.
• When an alert is received, the time the alert was received is displayed here.

• **NONE** is displayed if there are no active alerts.
• When an **Urgent Alert** is received, User will:
  - See textual notification of actual alert.
  - See time the alert was received.
  - Hear alert sound.
• To acknowledge an **Urgent Alert** (and to turn off the alert sound):
  - Select the **Urgent Alerts** tab.
  - Click on the **Acknowledge Top** button.
When a **Routine Alert** is received, User will:
- See textual notification of actual alert.
- See time alert was received.
- Hear alert sound.
• To acknowledge a Routine Alert:
  - Select Routine Alerts.

  ![Routine Alerts Window]

  - Select Routine Alerts.
  - Right-click in the alert window; an alert option panel will appear.
  - Select Mark to remove one alert, Mark All to remove all alerts, or UnMark to deselect already marked alerts.
  - Then click on Acknowledge Top to remove the marked alert(s).
To acknowledge a **Routine Alert**:

- Select **Routine Alerts**.
- Right-click in alert window. (Alert option panel appears).
To acknowledge a **Routine Alert**:  
- Select **Routine Alerts**.  
- Right-click in alert window. (Alert option panel appears.)  
- Select **Mark** to remove one alert,
To acknowledge a Routine Alert:

- Select **Routine Alerts**.
- Right-click in alert window. (Alert option panel appears.)
- Select **Mark** to remove one alert, **Mark All** to remove all alerts,
• To acknowledge a Routine Alert:
  - Select **Routine Alerts**.
  - Right-click in alert window. Alert option panel appears.
  - Select **Mark** to remove one alert, **Mark All** to remove all alerts, or **UnMark** to deselect already marked alerts.
To acknowledge a Routine Alert:

- Select **Routine Alerts**.
- Right-click in alert window. (Alert option panel appears.)
- Select **Mark** to remove one alert, **Mark All** to remove all alerts, or **UnMark** to deselect already marked alerts.
- Click on **Acknowledge Top** to remove the marked alert(s).
• **Urgent Alerts** are received when Warnings, Watches, and Advisories are received.

• The selected Urgent Alert sound will sound continuously until the **Acknowledge Top** button is depressed.
  - A receipt acknowledgement (RAP) is automatically generated.

• Only one Urgent Alert can be acknowledged at a time.
• **Routine Alerts** are received when normal datasets are received.

• The selected Routine Alert sound will sound only once, upon receipt.
• To view available products, User must first “subscribe” to them.

• The A/N and graphical product catalog is initially defined from the N-TFS Server.

• Then the user must use the **Subscription Service** to select items from the product catalog.

• After this is accomplished, you can view available products by using the **View Subscription Products** menu.
• To select available A/N products, click on **Subscription Service**.

• Click on **Alpha Numeric**.
• Select a product(s) from the Subscription Catalog (left pane).
• Select a product(s) from the Subscription Catalog (left pane).

• Move the product(s) to the **Subscribed_To** window (right pane), by using the right arrow.
To deselect a product, move it from the **Subscribed To** window back to the **Subscription Catalog** by using the left arrow.

![Diagram showing subscription selection process]
To deselect a product, move it from the Subscribed To window back to the Subscription Catalog by using the left arrow.

When finished with product selection/deselection, click on OK.
• To select available graphic products and loops, click on **Subscription Service**.
• To select available graphic products and loops, click on **Subscription Service**.

• Click on **Graphics**.

• Rest of process is same as selecting A/N products.
• To view available A/N products, click on **View Subscription Products**.
• To view available A/N products, click on **View Subscription Products**.

• Click on **AN Subscription**.
• Select a product from the **Description** window.
• Select a product from the **Description** window. (Desired A/N product appears in **Product Data** window.)
• Select a product from the **Description** window. (Desired A/N product appears in **Product Data** window.)

• When finished, select **OK**.
• Select a product from the **Description** window. (Desired A/N product appears in **Product Data** window.)

• When finished, select **OK**.

• Follow same procedures to view items in **FCF Subscription**.
• To view available graphic products and loops, click on **View Subscription Products**.

• Click on **Graphics**.
• Select a product from the **Description** window.
• Select a product from the **Description** window.

• Desired product appears in **Product Data** window.
• Select a product from the **Description** window.

• Desired product appears in **Product Data** window.

• To look for an updated product, click on **Reload**.
• To view loop of images, first click on the item **Description** (may take 30 seconds to 2 minutes to load, depending on size and LAN traffic).
To view loop of images, first click on the item **Description** (may take 30 seconds to 2 minutes to load, depending on size and LAN traffic).

Click on **Play**.
To view loop of images, first click on the item **Description** (may take 30 seconds to 2 minutes to load, depending on size and LAN traffic).

- Click on **Play**.
- To loop images in reverse order, click on **Backward**.
• To view loop of images, first click on the item **Description** (may take 30 seconds to 2 minutes to load, depending on size and LAN traffic).

• Click on **Play**.

• To loop images in reverse order, click on **Backward**.

• To return loop to normal play, click on **Forward**.
• To exit the LOC application:
  - Click on **File**.
  - Click on **Exit**.
Contacts

• For Technical Assistance, contact the AFWA Help Desk:
  - DSN 271-2586
  - Commercial (402) 294-2586

• For Subscription Assistance, contact Base Weather Station.

• For Training Information, contact AFWA/DNTT:
  - DSN 271-6722/9650
  - Commercial (402) 294-6722/9650