

# Reality Check

An advanced system from



The latest in technology to provide  
the most essential information for  
situational awareness when you  
need it most

## The value of the **Reality Check** system starts before you ever leave the ground.

No matter what phase of flight you are in, situational awareness is an absolute essential. Whether you are on a pleasure flight, business flight or in training knowing your position and situation is a must.

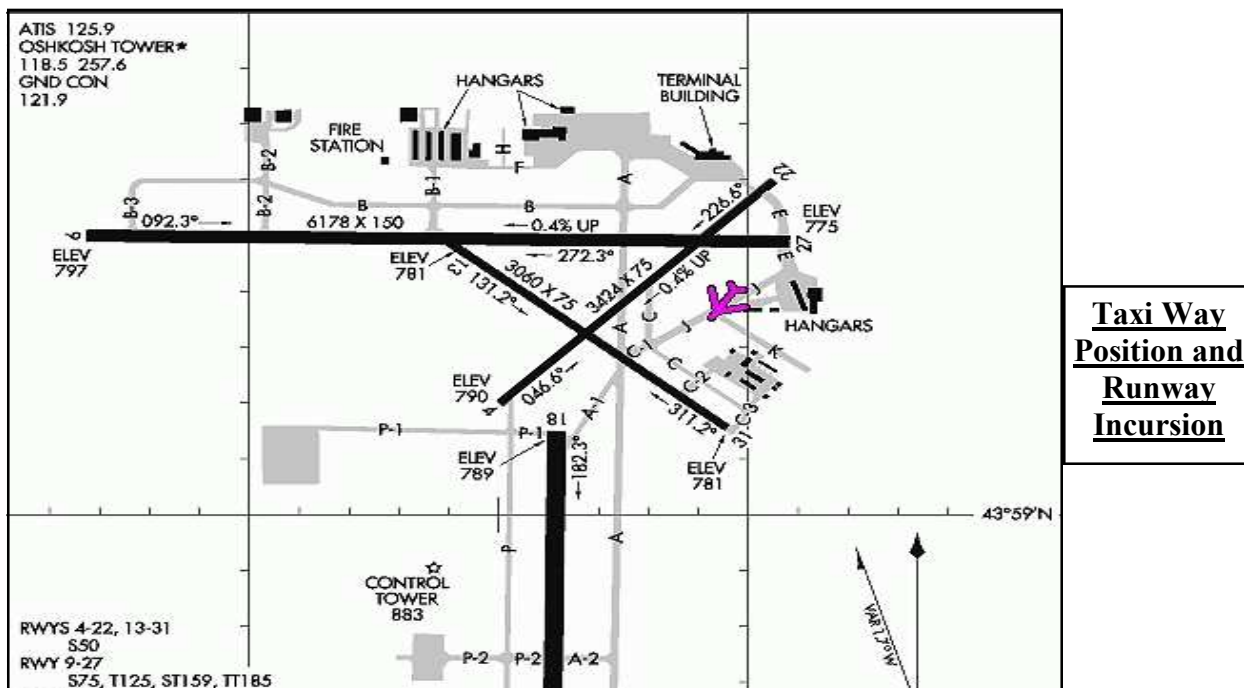


**Reality Check** is New Era Technology Inc.'s answer to a pilot's wish for a simple system that will provide him with the tools to be a safer, more successful pilot. The Realty Check system offers the full range features found other systems and more.

- **Route Planning** Allows you to get all the necessary information for your trip with less effort than you could ever imagine and last minute modifications are simple and quick.
- **Taxi Way Position** Provides your current position on the taxiways.
- **Fuel Price Search** This provides an automatic check of FBO fuel prices. The best prices are automatically displayed for your route of flight.
- **Optimum Flight Level** Using winds aloft and your aircrafts performance, it automatically calculates and shows altitudes that will provide the quickest flight and/or least amount of fuel.
- **Artificial Horizon** An optional artificial horizon is available. This is a fully functional 3 axis attitude indicator. This is a separate, independently powered unit.
- **Airways** Both High and Low Enroute Airways are available on the moving map screen. You can even set a warning if you are not maintaining your planned altitude.
- **Contour Terrain Mapping** Provides contour terrain mapping. The navigational map can be displayed over top of the contour picture.
- **Alerts** They are provided for both Terrain and Obstacles.
- **A special alert for traffic.** This option provides data on traffic giving direction, altitude and distance.
- **Electronic Approach Plates** Displays over 12,000 NOS digital approach plates. This includes SIDS, STARS, and as mentioned earlier the taxi way diagrams
- **Approach Overlay** The display provides a complete overlay of every segment of the approach including the altitudes associated with each segment.
- **Camera System** This includes the recording of multiple video channels such as instrument readings and external views, audio communications both inside the cockpit and with the tower, as well as complete WAAS compatible GPS tracking of flights. This option can be for personal use or pilot training.
- **Autopilot** Connections and software soon to be available and retrofitable to all units.



Whether it is a long flight or a short pleasure flight the route planning features allow you to get all the necessary information for your trip with less effort than you could ever imagine. And, if you change your mind, or your mind gets changed for you by unknown circumstances after you are in the air, flight plan modification is simple and quick.



Being at a new or unfamiliar airport can make the usually easy job of leaving you current position to the runway or other location stressful even if you are receiving progressive taxi instructions from the tower. Reality Check provides your current position on the taxiways from the NOS US airport diagrams to help relieve the stress and help prevent runway incursions.



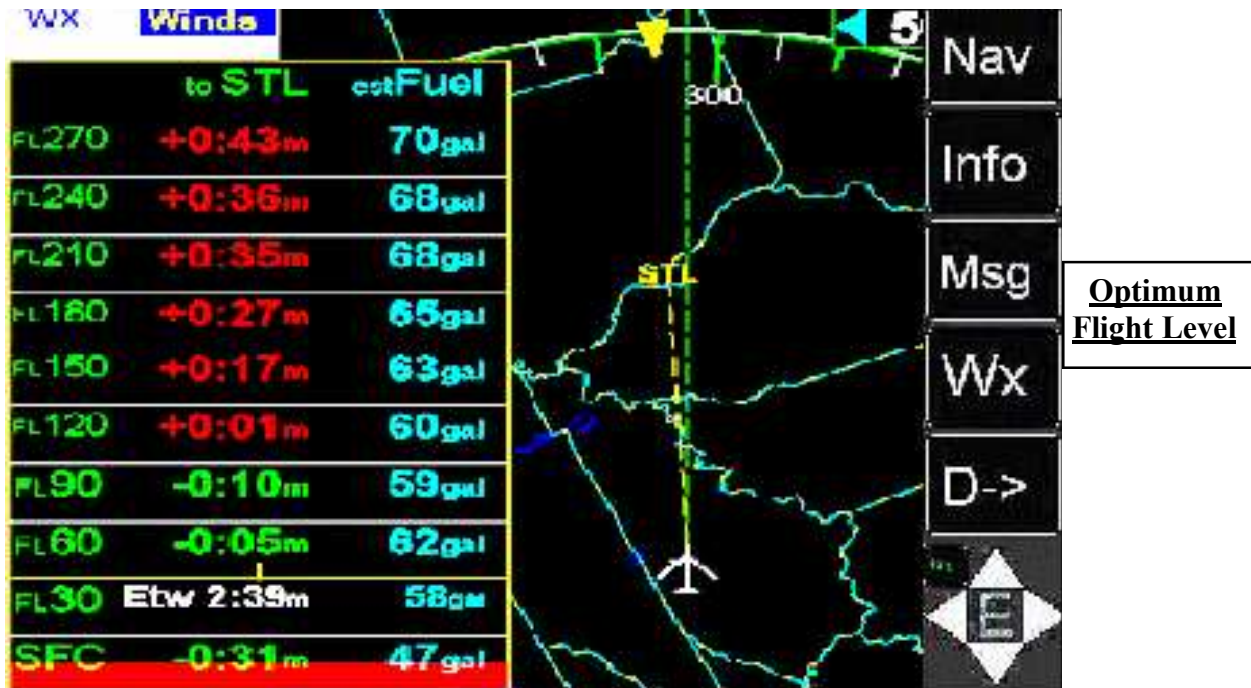
The increases in fuel costs have hit the aviation market hard. Reality Check provides an automatic check of the updated FBO fuel prices and displays them for you route of flight. The best prices are automatically displayed for your convenience



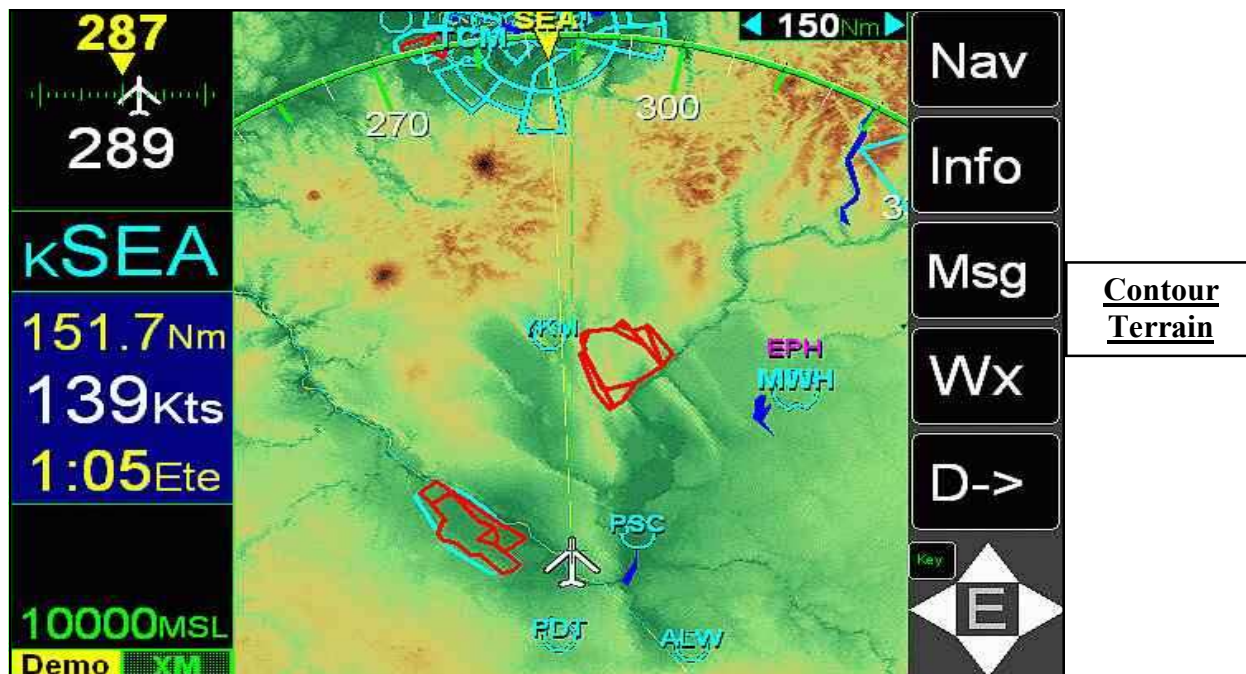
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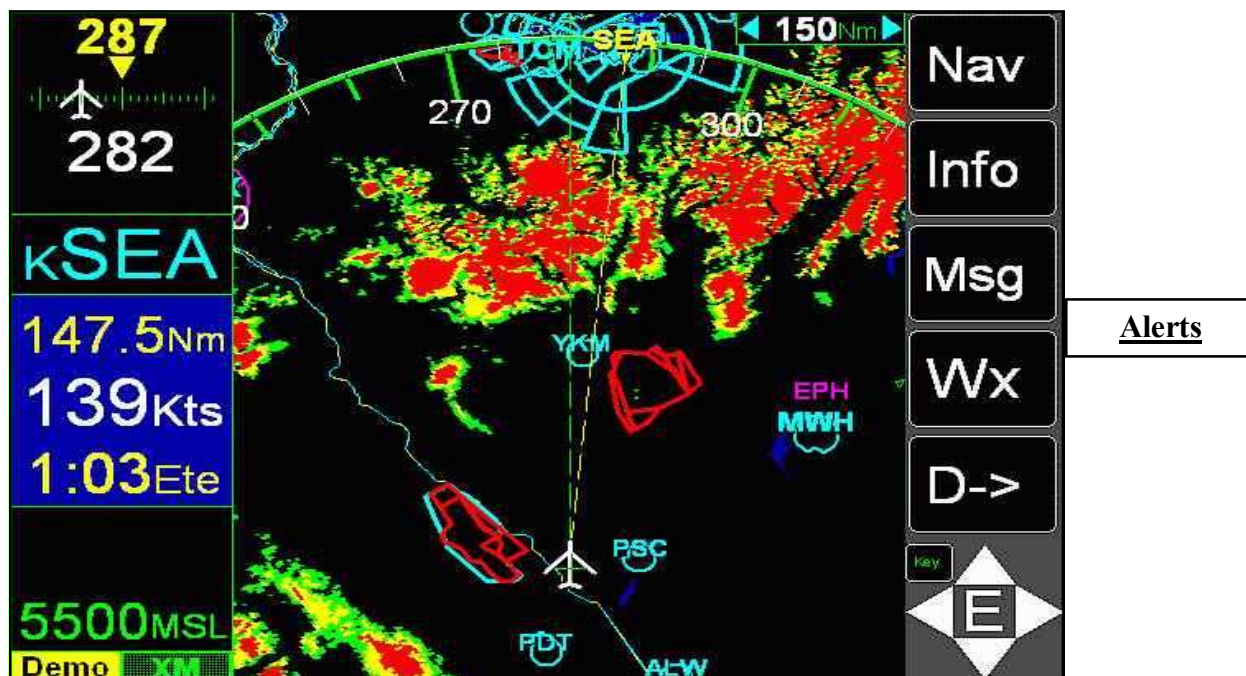
Both High and Low Enroute Airways are available on the moving map screen. You can even set a warning if you are not maintaining your planned altitude.



When we need to get to our destination in the most efficient manor, Reality Check to provide us with the information we want. Efficient to one pilot may mean the quickest flight, while to another it may mean using the least amount of fuel. By using the latest information on winds and your aircrafts performance, Reality Check calculates what you need to know to meet your particular definition of efficient.



Reality Check provides contour terrain mapping. The navigational map can be displayed over top of the contour picture.



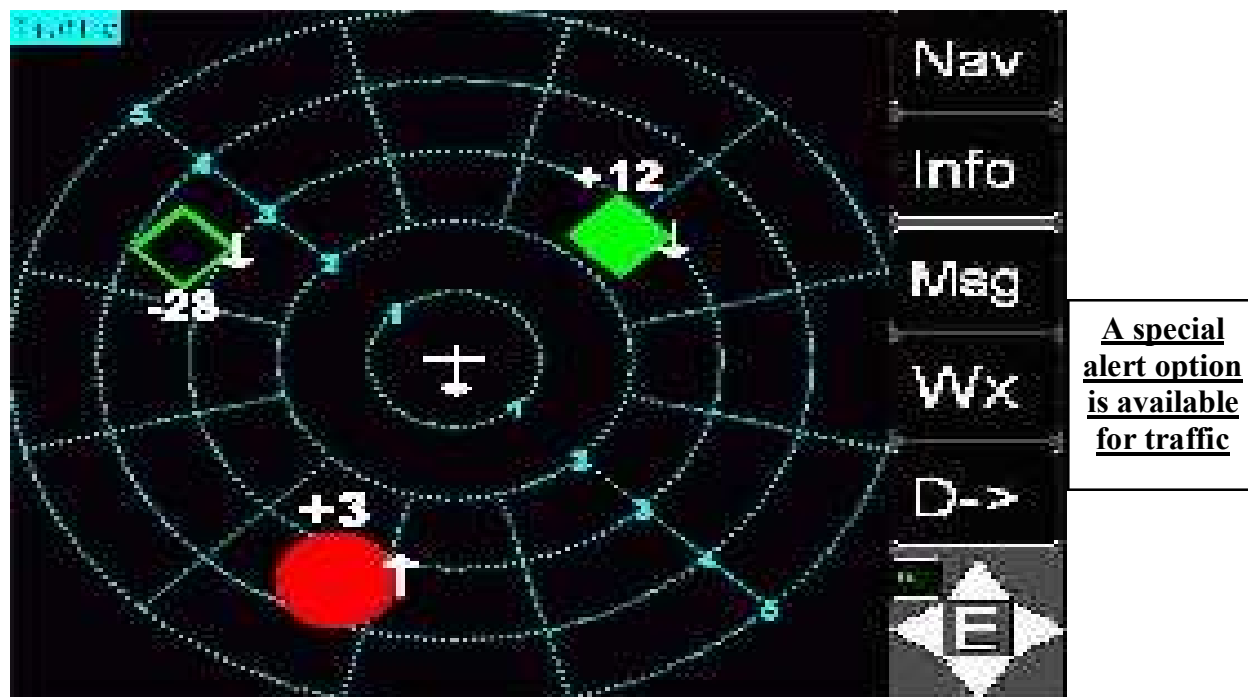
Alerts are provided for both Terrain and Obstacles. The system constantly monitors your position relative to terrain and obstacles to help keep you safe and aware of your current location relative to any known potential dangers.



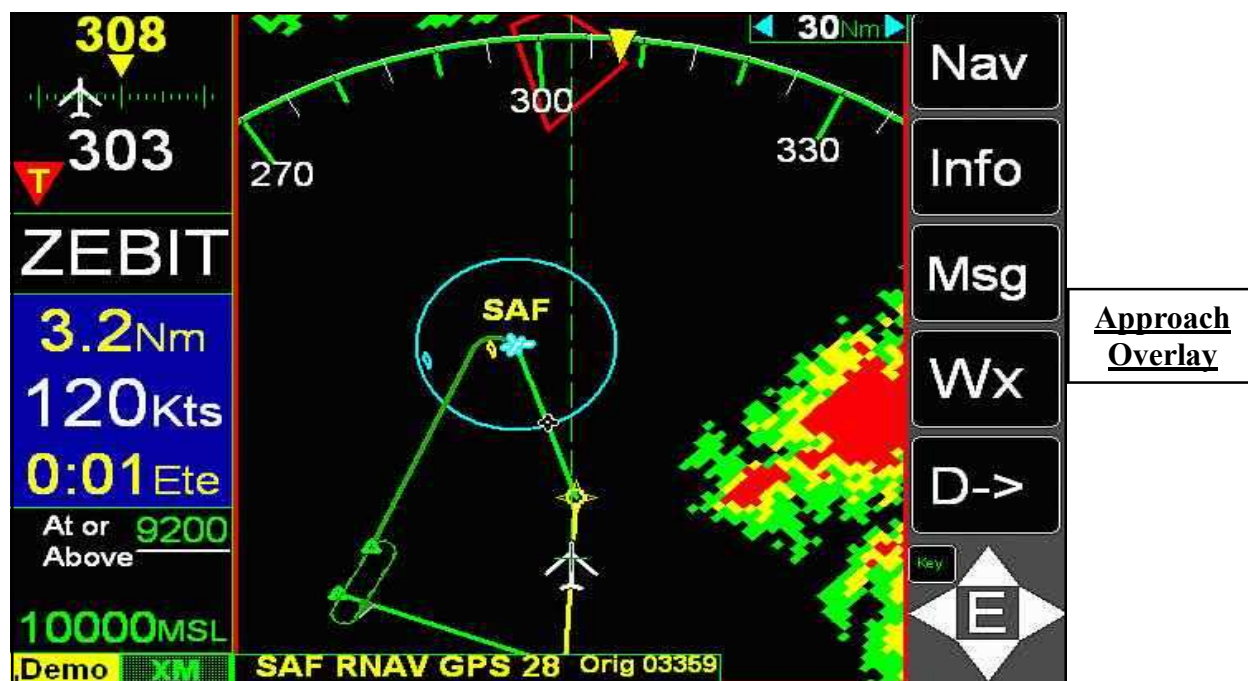
NexRad



Ceilings, Visibilities, & Precipitation

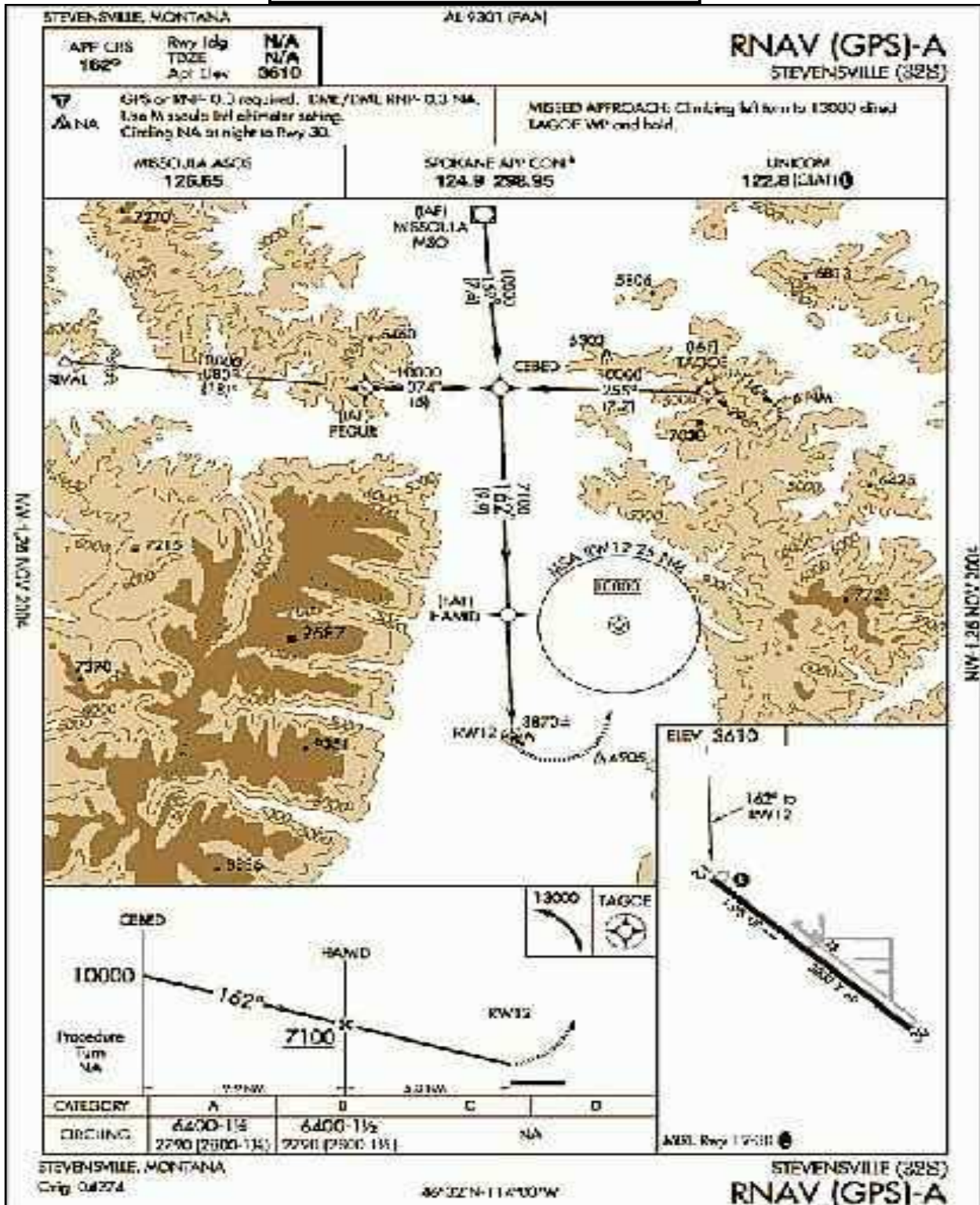


This option provides data on traffic giving direction, altitude and distance.



Approach charts are available and the display provides a complete overlay of every segment of the approach. In addition to everything else, they can be overlaid on the GPS to show exact positioning. The overlaid charts show each of the segments and the required altitudes for each particular route segment. The display provides a complete overlay of every segment of the approach including the altitudes associated with each segment.

# Electronic Approach Plates



Although not certified for IFR approaches, a wealth of important information is available.

The **Reality Check** system displays over 12,000 NOS digital approach plates. This includes SIDS, STARS, and as mentioned earlier the taxi way diagrams.



**Real Time Video  
and Audio Re-  
cording of  
Pleasure and/or  
Training Flights**



**Benefits of  
Recording the  
Training Process**

Recording the training flights gives the instructor the ability to discuss and review the flight with the student after the flight has completed. Recorded flights can provide proof that all students have been properly trained and passed the required curriculum. It also provides flight schools that have multiple instructors the ability to verify all instructors are following the same guidelines mandated by the flight school. Recording on this device is as simple as pressing a button on the screen and downloading the flight training session can be achieved by a removable hard drive, an Ethernet connection or a wireless connection. Additionally all recorded flights can be archived on a server or kept on optical media (CD or DVD) for future review or training.

Reality Check comes in three series with models containing options to meet every individual's specific needs.

### **NET 1000**

The NET 1000 series is designed for the light sport aircraft, experimental, homebuilt and smaller production piston equipment. If you are someone who likes to film your trips, a camera option is also available.

### **NET 2000**

New Era Technology Inc. NET 2000 is a revolutionary new way to assist in the flight training process. By utilizing a patent pending concept and hardware, nearly all aspects of flight training can now be recorded. This includes the recording of multiple video channels such as instrument readings and external views, audio communications both inside the cockpit and with the tower, as well as complete WAAS compatible GPS tracking of flights.

#### Devices Configuration and Specifications

The entire digital recording system is completely self contained and requires no modification to the aircraft provided a 12V power supply is available.

The unit weighs less than 8 lbs, draws less than 2.3 Amps of current and yet is able to record up to 40 hours of flight video in real time that is completely synchronized with all audio communications.

The instructor inputs are handled via a very durable 8.4 inch touch screen display which interfaces directly with the specially designed software. The touch screen display can be either be mounted within the cockpit or stowed during the flight and the touch screen can also double as a display of the forward panel if the training is taking place in a tandem seated aircraft.

#### Benefits of Recording the Training Process

Recording the training flights gives the instructor the ability to discuss and review the flight with the student after the flight has been completed. Recorded flights can provide proof that all students have been properly trained and passed the required curriculum. It also provides flight schools with multiple instructors the ability to verify all instructors are following the same guidelines as mandated by the flight school. Recording on this device is as simple as pressing a button on the screen and downloading the flight training session can be achieved by a portable hard drive, an Ethernet connection or a wireless connection. Additionally all recorded flights can be archived on a server or kept on optical media (CD or DVD) for future review or training.

### **NET 2400**

The NET 2400 is a variation of the NET 2000 for use in tandem aircraft. It allows the instructor or other person in the rear seat to have the same view as the person in the front seat.

#### Contact Us

For more information or a demonstration of this revolutionary new product please contact New Era Technology Inc. and we will be pleased to assist you. Please see our website for more information on New Era Technology, Inc. products [www.neweratechinc.com](http://www.neweratechinc.com).

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**[This System is not approved for IFR use.](#)**

## NETI Model NET 1000 and 2000 Series

### One Year Limited Warranty

New Era Technology Inc. systems are assembled from new components that are of the highest quality from recognized manufacturers. New Era Technology Inc. warrants that the hardware products will be free from defects in materials and workmanship. The warranty term is one year, beginning on the date of the system being put into service. This is further described below.

This warranty does not cover damage due to external causes, including accident, abuse, misuse, problems with electrical power, servicing not authorized by New Era Technology Inc., usage not in accordance with product instructions, failure to perform required preventative maintenance, and problems caused by the use of parts and components not supplied by a New Era Technology Inc. authorized dealer.

This warranty is voided if the control box is opened or tampered with in any way.

To request warranty service, you must call New Era Technology Inc. within the warranty period. Refer to your User's Guide to find the appropriate telephone number for obtaining customer assistance. If warranty service is required, New Era Technology Inc. will issue a Authorization For Return number that will be used for all references. You will be directed to return to the authorized New Era Technology Inc. installer or to return the unit directly to New Era Technology Inc. You must ship the products back to New Era Technology Inc. in their original or equivalent packaging, prepay shipping charges, and insure the shipment or accept the risk of loss or damage during shipment. New Era Technology Inc. will ship the repaired or replacement unit to you freight prepaid if you use an address in the U. S. (excluding Puerto Rico and U. S. possessions).

THIS WARRANTY GIVES YOU SPECIFIC LEGAL RIGHTS WHICH VARY FROM STATE TO STATE (OR JURISDICTION TO JURISDICTION). NEW ERA TECHNOLOGY INC.'S RESPONSIBILITY FOR MALFUNCTIONS AND DEFECTS IN HARDWARE IS LIMITED TO REPAIR AND REPLACEMENT AS SET FORTH IN THIS WARRANTY STATEMENT. ALL EXPRESS AND IMPLIED WARRANTIES FOR THE PRODUCT, INCLUDING BUT NOT LIMITED TO ANY IMPLIED WARRANTIES OF AND CONDITIONS OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, ARE LIMITED IN DURATION TO THE WARRANTY PERIOD SET FORTH ABOVE AND NO WARRANTIES, WHETHER EXPRESS OR IMPLIED, WILL APPLY AFTER SUCH PERIOD. SOME STATES (OR JURISDICTIONS) DO NOT ALLOW LIMITATION ON HOW LONG AN IMPLIED WARRANTY LASTS, INCIDENTAL OR CONSEQUENTIAL DAMAGES, SO THE ABOVE EXCLUSION OR LIMITATION MAY NOT APPLY TO YOU.

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