

HSB 2009-01 (o) Rev A  
December 3, 2008**ATTENTION OPERATORS****Honeywell Zing™ Intelligent Monitoring Network for TFE731  
Engine Remote Diagnostics****SUMMARY PAGE**

This Honeywell Sales Bulletin will be used to outline details and pricing for Zing™. Zing™ is a hardware and service package that provides operators with improved dispatch availability, faster return to service for engines and reduced maintenance workload. It does this by providing wireless engine data download capability with fault code and event alerting and automated trend data forwarding to Jet-Care. Additionally, Zing™ offers web based remote diagnostics linked to suggested test, repairs and manuals. Zing™ is available for Hawker 750/800/800XP/850XP operators. The 2008/2009 catalog pricing for Zing™ is outlined in Table #1 below.

**Table #1 – Zing™ Hardware, Service and STC Charges**

Component	P/N	MSP Status	Pricing (2008-2009)	
			1 Year Plan	5 Year Plan
ECTM-DD Box	981-6114-001	Non-MSP	\$15,000	\$10,000
		MSP/MSP Gold	\$6,000	\$0
Control Panel	981-6115-001	Included in ECTM-DD Pricing, no separate charge		
SIM Card	300-1365-001	Included in ECTM-DD Pricing, no separate charge		
Subscription Plan	N/A	Non-MSP	\$9,000	\$9,000
		MSP	\$7,500	\$7,500
		MSP Gold	\$7,000	\$7,000
STC	ST03280AT (Chippewa)		\$5,250	\$5,250

Cost of installing the STC in the aircraft (estimated at 40-50 man hours) is the responsibility of the Operator.

**Quick Reference Table**

<b>Effective Date:</b>	December 3, 2008
<b>Expiration Date:</b>	December 31, 2009
<b>Scheduled Delivery By:</b>	December 31, 2009
<b>Upgrade:</b>	Zing™ Upgrade For ECTM N1 DEEC Equipped Aircraft
<b>Pricing &amp; Incentives:</b>	Table #1
<b>Warranty:</b>	Per standard current catalog terms and conditions or applicable General Terms Agreement

**HSB 2009-1 (o) Rev 1  
December 3, 2008**

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**ATTENTION OPERATORS**

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**Honeywell Zing™ Intelligent Monitoring Network for TFE731  
Engine Remote Diagnostics****Effective December 3, 2008**

Honeywell would like to inform our dealer and Service Center network about the new product offering to the field called Zing™. Zing™ is a hardware and service package that provides operators with improved dispatch availability, faster return to service for engines and reduced maintenance workload. It does this by providing wireless engine data download capability with fault code and event alerting and automated trend data forwarding to Jet-Care. Additionally, Zing™ offers web based remote diagnostics linked to suggested test, repairs and manuals. Zing™ is available for Hawker 750/800/800XP/850XP operators.

**1. Product Description**

The Zing™ product offering is comprised of 6 main components and/or services. These are as follows:

- **Engine Condition Trend Monitoring-Data Downloader (ECTM-DD) Box:** The ECTM-DD downloads information from each N1 DEEC, encrypts the data and sends it via a GSM network. The ECTM-DD contains a built in quad band cell phone modem and is capable of downloading up to 3 DEECs. Unit is RCTA DO-160D tested.
- **Remote Control Panel (RCP):** Is used to activate the DEEC download and wireless data transfer process. This is a separate unit from the ECTM-DD.
- **Data Transmission Subscription Plan:** One or 5 year subscription service that includes air time and website access. Air time is provided by AT&T. (Note that as of this time the ECTM-DD is not compatible with Japanese and South Korean networks)
- **SIM Card:** Contained within the ECTM-DD box but ordered as a separate part number.
- **Supplemental Type certificate (STC):** STC owned by Chippewa Aerospace that allows installation of the Zing™ product on the aircraft type in question. Includes authorization and full operational and download procedures in Pilot's Operating Manual Supplement.
- **Zing™ Website Tools:** Access to Zing™ download information and remote diagnostic capability can be found at [www.honeywell.com/zing](http://www.honeywell.com/zing)

**Table #1 – Zing™ Hardware, Service and STC Charges**

Component	P/N	MSP Status	Pricing (2008-2009)	
			1 Year Plan	5 Year Plan
ECTM-DD Box	981-6114-001	Non-MSP	\$15,000	\$10,000
		MSP/MSP Gold	\$6,000	\$0
Control Panel	981-6115-001	Included in ECTM-DD Pricing, no separate charge		
SIM Card	300-1365-001	Included in ECTM-DD Pricing, no separate charge		
Subscription Plan	N/A	Non-MSP	\$9,000	\$9,000
		MSP	\$7,500	\$7,500
		MSP Gold	\$7,000	\$7,000
STC	ST03280AT (Chippewa)		\$5,250	\$5,250

The operator is purchasing the Zing™ ECTM-DD and related hardware. This is not a Lease program. Operators receiving the ECTM-DD box at no cost (MSP/MSP Gold with 5 yr subscription) are required to return the ECTM-DD box upon early termination or may elect to pay the remainder of the market value of the ECTM-DD hardware.

There is no connection between the 1 year or 5 year Subscription Plans and the MSP Contract (in terms of time remaining on the MSP contract) if the operator elects an annual payment Subscription Plan. If the operator elects a pro-rated monthly payment plan or a monthly aircraft hourly payment plan, the plan cannot extend beyond the expiration date of the current MSP contract. The monthly aircraft hourly plan is not available to non-MSP operators.

Cost of installing the STC in the aircraft (approximately 40 to 50 man hours) is the responsibility of the Operator.

Pricing listed above will remain in effect until the Expiration Date specific below or until changed by a revision to this HSB or a new HSB is released.

See Section #4 for Zing™ ordering information.

## 2. Additional Functionality Available By Utilizing the Zing™ Website

In addition to the Hardware, software and certification information previously mentioned, the Zing™ Service Subscription Plan includes use of a valuable website offering found at [www.myaircraft.com](http://www.myaircraft.com). This website allows users to remotely log on and track engine information and perform diagnostic evaluations. There are numerous pages including an Alarm Indication Dashboard page that flags Faults and provides a summary. This is also linked to specific Test and Repair procedure information and Line Maintenance Manual (LMM) documents. Additionally, the user can set specific parameters so they can automatically be notified on their cell phone or Blackberry regarding the status of the

DEEC downloads as well as any anomalies that may have occurred so they know whether or not they need to log into the website.

Please refer to the Zing™ Operator presentation for more information regarding the benefits of the Zing™ offering and details about incorporation.

### 3. Terms and Conditions

Standard Terms and Conditions outlined in the General Information section of the current year Honeywell Aerospace Catalog apply.

This pricing applies to orders received prior to December 31, 2009 with scheduled delivery dates prior to December 31, 2009 unless otherwise agreed.

All pricing terms offered in this sales bulletin are in lieu of other negotiated pricing terms for the same product. No additional dealer or service center discounts shall apply. Pricing does not include labor or installation. In the event that, and to the extent that, customer has entered into a General Terms Agreement and applicable attachment with Honeywell, such terms and condition of said agreement will apply to any orders placed under this sales bulletin..

Honeywell reserves the right to revise this sales bulletin or modify through future sales bulletins.

### 4. Ordering and Claims

The following five steps need to be completed for your order.

If you need any assistance please contact MSP Sales at the contact numbers provided at the end of this bulletin.

- 1) **Operator is to complete the attached Zing™ Service New Customer Order Form or go to website <http://www.myaircraft.com/order>**
- 2) **Operator is to contact the Service Center they would like to perform the Zing™ installation and inform them of their intent. The Service Center chosen will need to be capable of installing the Chippewa STC ST03280AT. The installation is estimated to require 40 to 50 man hrs. Installations costs are the responsibility of the Operator**
- 3) **The Service Center should prepare and submit a Purchase Order to Honeywell for the Engine Data Downloader(s) with the following Part Numbers:**
  - a) Ordering Address & Contact:  
**Global Customer Care Center**  
US & Canada: 1-800-601-3099  
All other countries: 1-602-365-3099  
Fax: 1-877-484-2980  
Email: [CRC-CES-OMG@Honeywell.com](mailto:CRC-CES-OMG@Honeywell.com)

b) Part Numbers

PN 981-6114-001	ECTM-DD CPU Unit (Includes SIM)
PN 981-6115-001	ECTM-DD Remote Control Panel (RCP)
PN 300-1365-001	GSM Service SIM Card

c) Zing™ Hardware Purchase Order Notes

Specify

“Honeywell to install cellular SIM card for service activation”  
[Operators Name and Aircraft Tail #]

**MSP Operators**

- 5 year subscription contract: Service Center to order ECTM-DD hardware against MSP contract number at no charge
- 1-year subscription contract: Service Center to order ECTM-DD hardware with \$6000 price, billable to the Service Center (the Service Center will then bill the operator)

**Non-MSP Operators**

- 5-year subscription contract: Service Center to order ECTM-DD hardware with \$10,000 price, billable to the Service Center (the Service Center will then bill the operator)
- 1-year subscription contract: Service Center to order ECTM-DD hardware with \$15,000 price, billable to the Service Center (the Service Center will then bill the operator)

Labor (installation, STC compliance, airframe modifications, etc) are BILLED TO THE OPERATOR. Estimated total labor is 40 to 50 hours per aircraft installation.

**4) Unique STC/Install Kit purchase order notes and ordering instructions for the Hawker 750/800/800XP/850XP:**

a) Address and Contact:

Chippewa Aerospace  
1601 Executive Avenue  
Myrtle Beach, SC 29577  
Toll Free #: 877-877-AERO(2376)  
Fax #: 843-448-2468

b) Part Numbers:

H800-7610-01-300-xxx*	Hawker 800XP Install Kit and STC Paperwork
\$5250.00	

\*- *the dash number will depend on chosen location of the RCP see below table for the correct "dash number"*

RCP Located in Cabin (next to refuel panel)	-111
RCP Located in T/R Cover in aft equipment bay	-107
RCP located on panel on inverter rail	-103

c) Purchase Order Notes

Specify the Operators Company Name and Tail # of the Aircraft(s) for STC

Any questions regarding Zing™ can be referred to:

Steven Gomez  
BGA Technical Sales Mgr  
TFE731 Propulsion & Safety Products  
Ph: 602-365-3493  
Fax: 602-365-3444  
Cell: 602-432-3205  
Email: [steven.gomez@honeywell.com](mailto:steven.gomez@honeywell.com)

For additional support please contact:

**Global Customer Care Center**

US & Canada: 1-800-601-3099  
All other countries: 1-602-365-3099  
Fax: 1-877-484-2980  
Email: [CRC-CES-OMG@Honeywell.com](mailto:CRC-CES-OMG@Honeywell.com)

**Contact Information**

Please feel free to contact your local Honeywell Area Sales Manager if you have any questions regarding this Bulletin or if you need assistance. Included with this bulletin is the contact information for the Sales Managers.

**North American Sales Team**

<p><b>Brian Campbell</b>  <u>West Regional Director</u>                  Flagstaff, AZ                  Tel: 928-527-1457                  Fax: 928-527-0723                  Cell: 602-617-3628</p>			<p><b>Paul Ardizzoni</b>  <u>East Regional Director</u>                  Watertown, CT                  Tel: 860-274-4528                  Cell: 203-223-2016</p>	
<p><b>North Central</b>                  Joanie Alderman                  Area Sales Manager                  Olathe, KS                  Tel: 913-712-2135                  816-523-8850                  Fax: 913-712-5697                  Cell: 816-506-9667</p>	<p><b>South</b>                  Jeff Evans                  Area Sales Manager                  Dallas, TX                  Tel: 972-470-4336                  Fax: 469-854-5000                  Cell: 972-567-2190</p>	<p><b>Johnny Glakas</b>                  Fleets, Fractional Airlines,                  StandardAero,                  Associated Air Center                  Tel: 602-365-7049                  Fax: 602-365-3444                  Cell: 602-684-6317</p>	<p><b>Great Lakes</b>                  Ed Bannen                  Area Sales Manager                  Westerville, OH                  Tel: 614-882-4533                  Fax: 614-882-4469                  Cell: 614-270-5560</p>	<p><b>Central</b>                  Tim Kelly                  Area Sales Manager                  Olathe, KS                  Tel: 913-712-2810                  Fax: 913-712-1306                  Cell: 913-530-2905</p>
<p><b>West</b>                  Steve Borger                  Area Sales Manager                  Nipomo, CA                  Tel: 805-343-6300                  Fax: 805-343-6301                  Cell: 480-619-1652</p>	<p><b>South Central</b>                  Don Milum                  Area Sales Manager                  Kearney, MO                  Tel: 816-903-3015                  Fax: 816-903-3014                  Cell: 816-589-4611</p>		<p><b>Northeast</b>                  Mark Dorais                  Area Sales Manager/DAS                  Prospect, CT                  Tel: 203- 758-3252                  Cell: 203- 410-8507</p>	<p><b>Southeast</b>                  Tim Valente                  Area Sales Manager                  Sarasota, FL                  Tel: 941-921-8157                  Fax: 941-923-8796                  Cell: 941-320-9099</p>
<p><b>Northwest</b>                  Karl Summers                  Area Sales Manager                  Phoenix, AZ                  Tel: 623-465-1261                  Fax: 623-465-1262                  Cell: 602-300-2558</p>	<p><b>Jeff Gayon</b>                  Gulfstream Completion/                  General Dynamics                  Aircraft Services                  Area Sales Manager                  Tel: 972-402-4310                  Fax: 972-402-4325                  Cell: 972-679-9090</p>		<p><b>South America</b>                  Edgar Orsi                  Area Sales Manager                  Phoenix, AZ                  Tel: 55-19-3876-5032                  Fax: 55-19-3876-2548                  Cell: 55-19-9114-5800</p>	
<p><b>Mexico/Central                  America/Caribbean</b>                  David Hurtado                  Area Sales Manager                  Toluca, Mexico                  Tel: 52 1 722 199 6718                  Fax: 52 722 199 6718                  Cell: 52 1 722 160 1656</p>				

### International Sales Team

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<b>China</b> Emil Pope Area Sales Manager Tel: 60-3-7956-6108 Fax: 60-3-7956-6108 Cell: 60-12-3033560	<b>Greater Pacific Rim</b> Emil Pope Area Sales Manager Tel: 60-3-7956-6108 Fax: 60-3-7956-6108 Cell: 60-12-3033560	<b>Central Europe/Scandinavia</b> Isidor Hagl Area Sales Manager Tel: 49 8076 887 09 73 Fax: 49 8076 887 09 74 Cell: 49 171 58 90 182
<b>EMEA MSP/DFS, Volvo &amp; SECA</b> Bernard Guillot Area Sales Manager Tel: 33 0 1 40 80 59 11 Fax: 33 0 1 40 80 59 67 Cell: 33 0 6 32 55 06 08	<b>Middle East &amp; Arabia</b> Raghed Talih Area Sales Manager Cell: 971 50 4818837	<b>Eastern Europe/ Russia/CIS &amp; Isreal</b> Karel Sovak Area Sales Manager Tel: 420 234625611 Cell: 420 739603773
<b>India &amp; Western Asia</b> Rishiraj Singh Area Sales Manager Tel: 91-124- 4031770 / 72 ext 2404 Fax: 91-124- 4086593 Cell: 91-98104-65917	<b>North &amp; Western Europe Central &amp; Southern Africa</b> Gilbert Thevenin Area Sales Manager Tel: 33 534561535 Fax: 33 534561600 Cell: 33 607083280	

### MSP/HAPP Sales Team

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Bruce Hayes MSP Sales (TFE731 & CFE738) Tel: 602-365-5549 Fax: 602-365-4405 Cell: 602-315-7327	Chuck Oberfield APU, TPE Sales Tel: 602-365-2031 Fax: 602-365-4405 Cell: 602-418-1982	Amy Huffman HAPP Sales Tel: 419-878-0344 Fax: 419-878-3204 Cell: 419-902-4612

### Flight Support Services Sales Team

<b>Eric Clepper</b> <b>Flight Support Services Director</b> Tel: 602-436-3118 Cell: 602-418-3237 Fax: 602-822-7000				
<b>North-east US + Eastern Canada</b>	<b>Mid-West + OEMs</b>	<b>West + Western Canada + Mexico/Central America + Latin America</b>	<b>MEAI &amp; APAC</b>	<b>Southeast + Europe + CIS</b>
James Buckner Area Sales Manager Tel: 410-964-7367 Cell: 410-365-7911 Fax: 410-964-7374	Brian Allen Area Sales Manager Tel: 713-589-9057 Cell: 425-647-6986 Fax: 602-822-9010	Jeff Filkins Area Sales Manager Tel: 805-221-5226 Cell: 425-283-2339 Fax: 805-221-5226	Pranay Grag Area Sales Manager Tel: 91-40-39830212 Tel: 91-98-49178217	Matt Kelly Area Sales Manager Tel: 941-360-6157 Cell: 941-468-5380 Fax: 425-376-2333