Welcome to ESC

Electronic Systems Center

May 09
Overview

- Mission Overview
- History of ESC and Hanscom
- Enterprise Overview
- Hanscom Moving Forward
Empower The Warfighter
To Leverage Information As An Effective Weapon
—Anywhere, Anytime!
Our Vision

War-winning Information Systems…

On time, On cost

Integrity - Service - Excellence
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Laurence G. Hanscom

- The State House reporter for the Worcester Telegram and The Evening Gazette
- The founder and first president of the Massachusetts Wing of the Civilian Air Reserve (1940)
- Just prior to his death he had been lobbying for the establishment of an airfield in Bedford
- He was performing acrobatics when his plane crashed on February 9, 1941
- Land named Laurence G. Hanscom Field, Boston Auxiliary Airport at Bedford in June 1941 and subsequently Hanscom Air Force Base
ESC -- A Rich Heritage

ESC Mission Overview

1940’s
- 1949
  Cambridge Field Station Becomes AF Cambridge Research Labs (AFCRL)

1950’s
- 1952
  MIT est. Lincoln Lab
- 1958
  MIT Forms MITRE Corp.

1960’s
- 1961
  ESD Established

1970’s

1980’s
- 1992
  ESD Redesignated ESC

1990’s
- 2005
  ESC Reorganization (Wing, Group, Squadron)

2000+

Integrity - Service - Excellence
ESC Mission Overview

Center of the Technology Hub
World Class IT Firms & Academia

BAE Systems
DRC
Volpe Trans Center

Hanscom/ESC
MTC
MITRE

HP
CISCO
Raytheon
Sun Microsystems
Boston University

NG
GD
Lincoln Lab
Lockheed

BAE Systems
DRC
Volpe Trans Center

Northeastern University
Boston College
Harvard Draper Labs
MIT

20 mi

20 mi

Boston University
AF Bases of the North East 1991

1991 Active Duty AFBs: 5

Active Duty AFB
Active Duty AFS
National Guard
AF Reserve
AF Bases of the North East
Today

Current Active Duty AFBs: 1

Active Duty AFB
Active Duty AFS
National Guard
AF Reserve

Integrity - Service - Excellence
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Integrity - Service - Excellence
Hanscom’s Economic Impact On Massachusetts (2007)

- 9th Largest Business Employer in MA
- Contract Awards: ~$1.6B
- Total Payroll--Hanscom Complex: ~$752M
ESC Key Leadership

ESC Mission Overview

LT Gen Ted Bowlds
ESC Commander

Mr. Richard W. Lombardi
Executive Director

BG Terry Feehan
Vice Commander

Col Robert Dominguez
350 ELSW
C2 & ISR Systems

Col Dwyer Dennis
551 ELSW
Battle Management

Col Derrick Richardson
554 ELSW
Operations Support

Mr. Ron Mason
653 ELSW
Cyberspace/Netcentric

Col David Orr
66th Air Base Wing

Integrity - Service - Excellence
Distributed & Engaged

Hanscom AFB  ~ 4,300 People
7 Major GSUs  ~ 3,600 People
~400 Prgms/projects  ~ $5+ Billion/yr

ESC Mission Overview

Hanscom AFB MA MA
(2169)

STRATCOM
(21)

NORTHCOM
NORAD
(135)

Personnel Systems Div
Randolph AFB TX
(88)

Cryptologic Sys Gp (CPSG)
Lackland AFB TX
(613)

38th Eng/Install Gp (38 EIG)
Tinker AFB OK
(350)

554 ELSG
Wright-Patterson AFB OH
(362)

HQ ESC
Hanscom AFB MA
(2169)

JFCOM
(14)

554 ELSG
Maxwell AFB AL
(909)

754 ELSG
Tinker AFB
(350)

O.L. 751 ELSG/NJ
Melbourne FL
(24)

O.L. 551 ELSG/NJ
Seattle WA
(10)

O.L. 754 ELSG/NJ
Hill AFB
(14)

O.L. 754 ELSG
Tinker AFB
(24)

O.L. 350 ELSG
Langley AFB
(350)

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## Demographics

As of: 2 March 2009

### Assigned Organic Workforce by Skill

<table>
<thead>
<tr>
<th>Skill</th>
<th>CIV</th>
<th>ENL</th>
<th>OFF</th>
<th>CME</th>
<th>Total</th>
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<tbody>
<tr>
<td>HQ Staff</td>
<td>278</td>
<td>336</td>
<td>70</td>
<td>486</td>
<td>505</td>
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<tr>
<td>350 ELSW</td>
<td>357</td>
<td>283</td>
<td>27</td>
<td>1387</td>
<td>1225</td>
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<tr>
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<td>221</td>
<td>153</td>
<td>17</td>
<td>906</td>
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<tr>
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<td>1066</td>
<td>943</td>
<td>414</td>
<td>2309</td>
<td>2047</td>
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<tr>
<td>653 ELSW</td>
<td>695</td>
<td>587</td>
<td>141</td>
<td>2034</td>
<td>1900</td>
</tr>
<tr>
<td>66 ABW</td>
<td>423</td>
<td>400</td>
<td>245</td>
<td>991</td>
<td>951</td>
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<tr>
<td>TOTAL</td>
<td>3040</td>
<td>2702</td>
<td>914</td>
<td>8113</td>
<td>7424</td>
</tr>
</tbody>
</table>

### Distribution of APDP Cert by Skill

- **Level 3**: 143, 453, 117, 112, 118
- **Level 2**: 39, 282, 27, 112, 181
- **Level 1**: 28, 47, 7, 75, 204
- **Pending**: 14, 32, 117, 13, 17

- **PM**: 215, 69, 106, 31, 204
- **PK**: 32, 108, 34, 117, 117
- **EN**: 117, 28, 35, 34, 13
- **LG**: 112, 14, 7, 13, 17
- **FM**: 181, 112, 75, 118, 118
- **IT**: 118, 204, 117, 13, 17

271 of 363 Critical Acquisition Positions are filled (77.7%)

219 of 271 assigned to CAPs are certified at appropriate level (80.8%)
350th Electronic Systems Wing
C2 ISR

ESC Mission Overview

Integrity - Service - Excellence
551st Electronic Systems Wing
Battle Management

ESC Mission Overview

Building and Maintaining AF and Partner C2 & ISR platforms... and Evolving Towards a Net-centric C2 Constellation
Achieve net-centric operations where anything on the network can be dynamically integrated to support any mission...
Supporting every Airman, every Civilian, every Retiree
ESC -- Mission Enabler

ESC Mission Overview

Operate The Base
- Search & Rescue
- ECSS
- JAG
- DEAMS
- Fuels
- Maintenance
- Intel

Generate The Mission
- Munitions
- Medical
- Chaplain

Establish The Base
- GCSS
- DCAPES
- Force Protection

Open The Base
- Command & Control
- DEAMS

Operate The Base
- F-16
- F-16CJ
- B-2
- UAV
- B-52
- EA-6
- Global Hawk
- AWACS
- SBR
- DSP
- U2
- Predator

Operate The Mission
- SA-xx
- TCTs
- IADS
- SDB
- Cluster Munitions

Operate The Mission
- EM
- Jamming
- JDAM
- Cluster Munitions

Operate The Base
- JSTARS
- AWACS
- Senior Scout
- CRC
- DCGS
- AOC

Operate The Mission
- JSTARS
- AWACS
- Senior Scout
- Rivet Joint
- DCGS
- AOC

Operate The Mission
- EM
- Jamming
- JDAM
- Cluster Munitions

Operate The Base
- JSTARS
- AWACS
- Senior Scout
- Rivet Joint
- DCGS
- AOC

Operate The Mission
- EM
- Jamming
- JDAM
- Cluster Munitions

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- Jamming
- JDAM
- Cluster Munitions

Operate The Mission
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- Jamming
- JDAM
- Cluster Munitions

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Making progress…
Replace Acquisition Mgt Fac, Phase I B-1600

- $12.8M MILCON – FY08 Insert approved
- Built in the 1950's - small rooms with long corridors
- Infrastructure deteriorated and inadequate
- Will provide suitable working space for ESC acquisition professionals
ESC Deployed Personnel

Since 2002
ESC Deployed Over 1100 of Its Members,
and We Average About 200 Each Year
In Support of the Global War on Terror
ESC Mission Overview

A Rich Heritage…

Incredible Air Force People Shaping the Future…

…Putting the Cursor On the Target