



Problem Sponsor: 154 MDG DET 1
Defense Mentor: MSGT Santos
Business Mentor: Amy Miller



U.S. AIR FORCE



Tracking Sidewinders





Unit Training Managers (UTMs)

- Appointed by the unit commander to oversee all unit training
- Serves as a focal point for all training in a unit
- Assists in scheduling training



Importance

Without UTMs the Air Force wouldn't have qualified Airmen to perform the tasks/missions asked of them

"We get people qualified to perform what they're tasked to do."

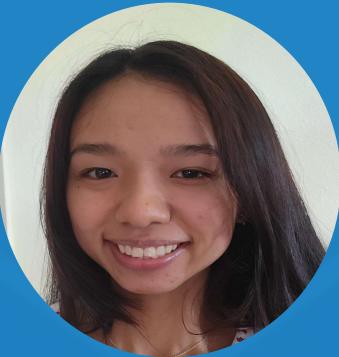
Team Members



Elis Diep
Project Manager
Major: Computer Engineering



Patima Poochai
Tech Lead
Major: Computer Science



Yhanessa Sales
Business Lead/Tech Lead
Major: Computer Science



Daniel Luong
Business Lead
Major: Computer Engineering



Zhixin Li
Tech Lead
Major: Computer Science

Problem Statement

Original Problem Statement:

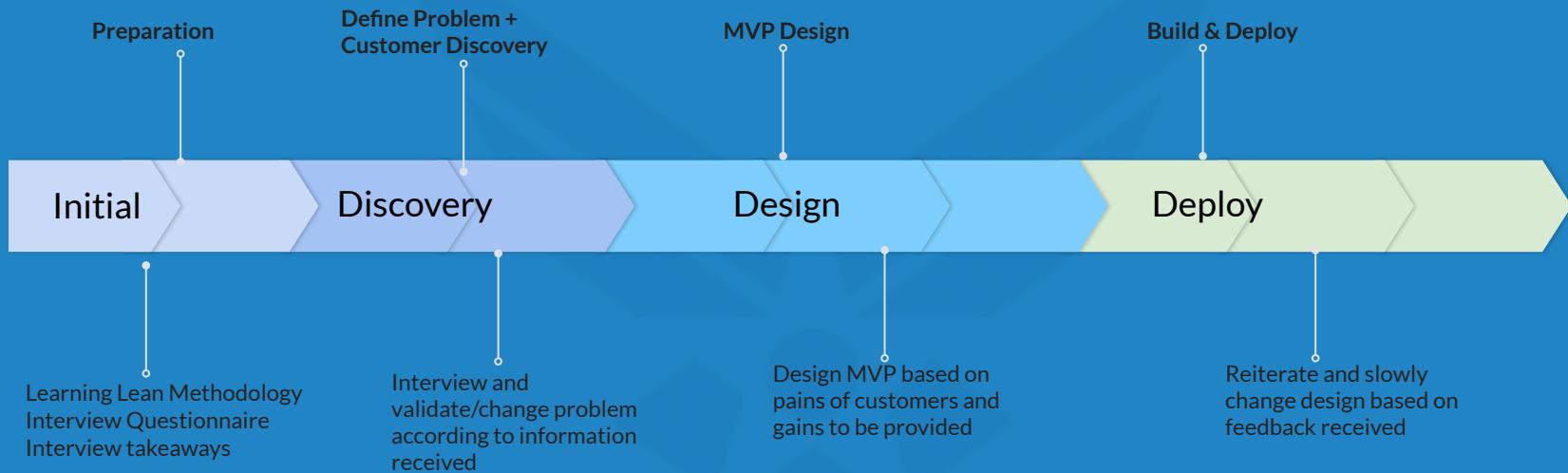
UTMs tracking individuals' progress across multiple platform, but data is not consolidated and system is not user-friendly. UTMs use these disparate systems along with Excel documents to track all personnel certificates



Final Problem Statement:

Multiple redundant manual inputs by UTMs increase chance of human error thus leading to the **lack of unit deployment readiness**. UTMs need a consolidated platform to use for training/certifications tracking that **reduces redundancy** and provides **automation** in possible areas, to increase unit readiness rate.

Lean Methodology



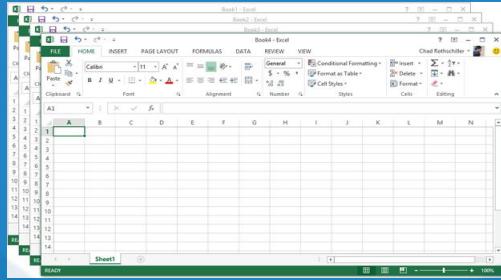
Initial Understanding



+

Multiple Platforms
(MRDSS, TBA, myTraining,
GKO, ArcNet)

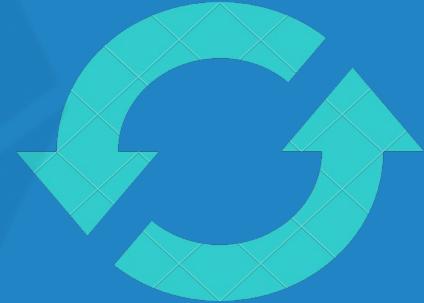
- Similar data entered in multiple Platforms
- Not User-friendly



=

Personalized Excel Sheets

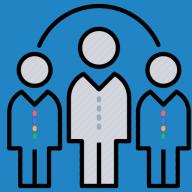
- Each one has different nuances
- Can only be taught or helped with
 - If the other person uses exact one



Repeated Manual Inputs -
Some are duplicates

- Higher chance of inaccuracy
- Wasted time repeating
- Any warranted changes require Excel knowledge

41 Interviews



Unit
Training
Managers



Airmen



DoD Contractors



Programmers



IT/CyberSecurity



Professors



Program Managers



U.S. AIR FORCE



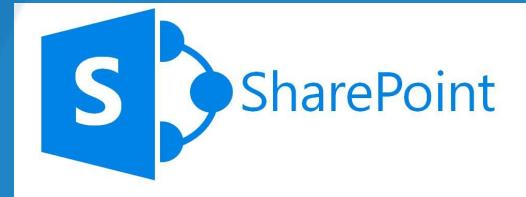
Initial Findings

Common Theme from Interview: Multiple Systems/Method



Total Force Training Record

Training Business Area



Unit Training Managers(UTMs) Process

UTM Process not the same

- Various levels of problem within the UTM community

Inputting/Recording

- Read off a Roster Sheet
- Some UTM use paper to keep track of training
- CAC scan card

Informing Members

- Social media messages
- Email

Different platforms

- Not all UTM uses the same platform
- Platform depends what type of unit they are



UTM Process

Joseph Fries:

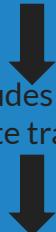
Tracks: 200+ members



Gathers reports



Emails report to all the airmen



Email includes instructions on how to complete training

Airmen filters report for their name and finds what training is missing and completes training and uploads it

UTM uploads data into their systems

MSgt Santos:

Tracks: 52 members



Medical Readiness Decision Support System (MRDSS)



Gather reports

Filters the reports and records member's expired training

informs member through various methods and instructions

Prepares training

Airmen completes training and uploads training

Wheeler Base visit

Goals:

Getting a better understanding of the problem.

Confirming current knowledge

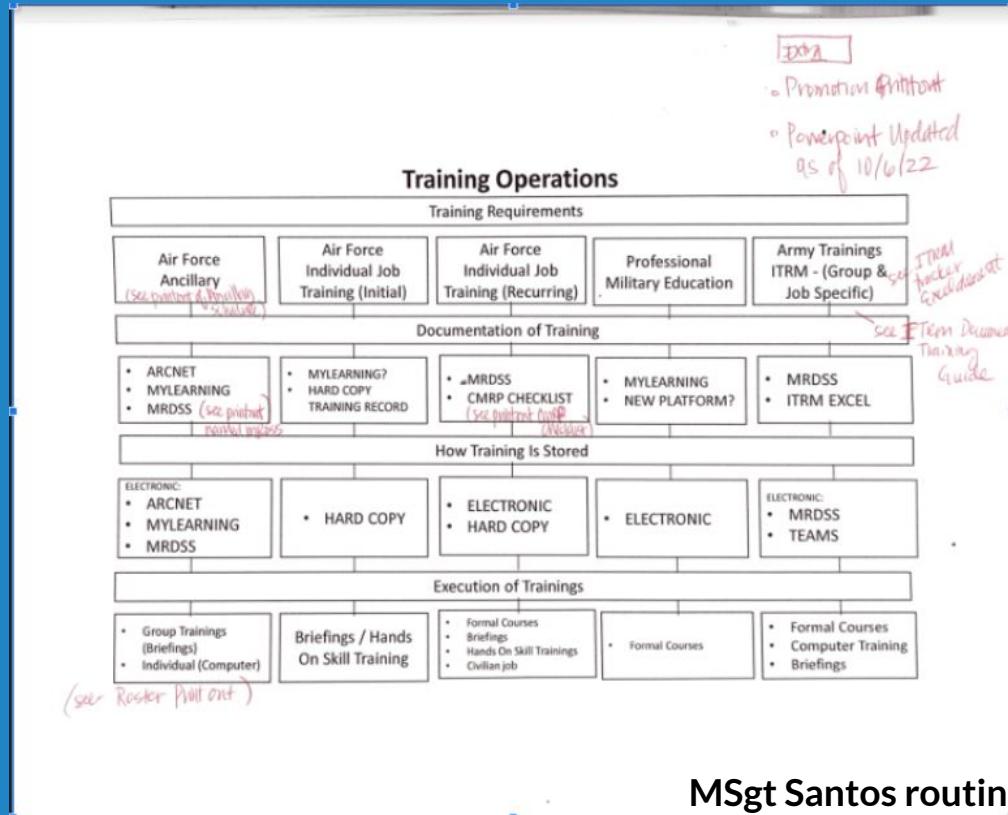
Sharing interview findings



Wheeler Base Findings

Training

- 5 categories of training
- Training have different expiration dates
- Different platforms have different saved training
- Training stored differently
- Distribution of training
 - Courses
 - Video
 - Computer training
 - Hands on training
 - Briefings



MSgt Santos Excel Sheets

SSAN LAST 4	Rank	Status	Last Name	First Name	AFSC	PASCODE	OFFICE SYMBOL	UTC	UTC Date Assigned	AEFI	AEF PID	DAS	DEROS	106 MDG Annual Training	15 PAX Vehicle	167 AES Newcomer Orientation	180 Hour Lead Creation for Flight Nurs	
TSG	MIL			4N071			FFCRE-1		20 Jul 2021 R1	231R3	01 Feb 2017	N/A	N/A	N/A	N/A	N/A		
CPT	MIL			044F3			FFCRE-1		14 Sep 2018 R1	231R3	04 Nov 2016	N/A	N/A	N/A	N/A	N/A		
MW	MIL			042G3			FFCRE-1		13 Sep 2018 R1	231R3	11 Feb 2017	N/A	N/A	N/A	N/A	N/A		
MSG	MIL			4A171			SGX	FFCRE-1	13 Sep 2018 R1	231R3	01 Mar 2008	N/A	N/A	N/A	N/A	N/A		
A1C	MIL			4N011				FFZZZ-1	23 Jun 2022 R1	231R3	12 Sep 2021	N/A	N/A	N/A	N/A	N/A		
LTC	MIL			A043E3			FFZZZ-1		R1	231R3		N/A	N/A	N/A	N/A	N/A		
CPT	MIL			046N3			FFZZZ-1		R1	231R3		N/A	N/A	N/A	N/A	N/A		
MGG	MIL			4A273			FFCRE-1		13 Sep 2018 R1	231R3		N/A	N/A	N/A	N/A	N/A		
SSG	MIL			4N051			SGW	FFCRE-1	20 May 2022 R1	231R3	10 Sep 2016	25 Aug 2022	N/A	N/A	N/A	N/A		
SSG	MIL			4N051				TT_T_WAV	02 Jan 2019 R1	231R3	27 Dec 2017		N/A	N/A	N/A	N/A		
SSG	MIL			4N051			SE_T_WAV	FFCRE-1	14 Sep 2018 R1	231R3	05 Aug 2017		N/A	N/A	N/A	N/A		
LTC	MIL			042G8E			FFCRE-1		14 Sep 2018 R1	231R3		N/A	N/A	N/A	N/A	N/A		
SSG	MIL			4N031			SGO	FFCRE-1	20 Jul 2021 R1	231R3	01 Oct 2020		N/A	N/A	N/A	N/A		
CMS	MIL			9G100-325				FFCRE-1	13 Sep 2018 R1	231R3		N/A	N/A	N/A	N/A	N/A		
SSG	MIL			4N051			FFCRE-1		20 Apr 2021 R1	231R3	08 Jan 2020		N/A	N/A	N/A	N/A		
SRA	MIL			4N031			FFCRE-1		20 Jul 2021 R1	231R3	01 Sep 2020		N/A	N/A	N/A	N/A		
MW	MIL			041A3			FFCRE-1		13 Sep 2018 R1	231R3		N/A	N/A	N/A	N/A	N/A		
MW	MIL			046N3			MCM	FFCRE-1	13 Sep 2018 R1	231R3		N/A	N/A	N/A	N/A	N/A		
CPT	MIL			046N8E				SR_T_WAV	13 Sep 2018 R1	231R3		N/A	N/A	N/A	N/A	N/A		
MW	MIL			044F3			TIT	FFCRE-1	14 Sep 2018 R1	231R3		N/A	N/A	N/A	N/A	N/A		



U.S. AIR FORCE



More Interview Findings

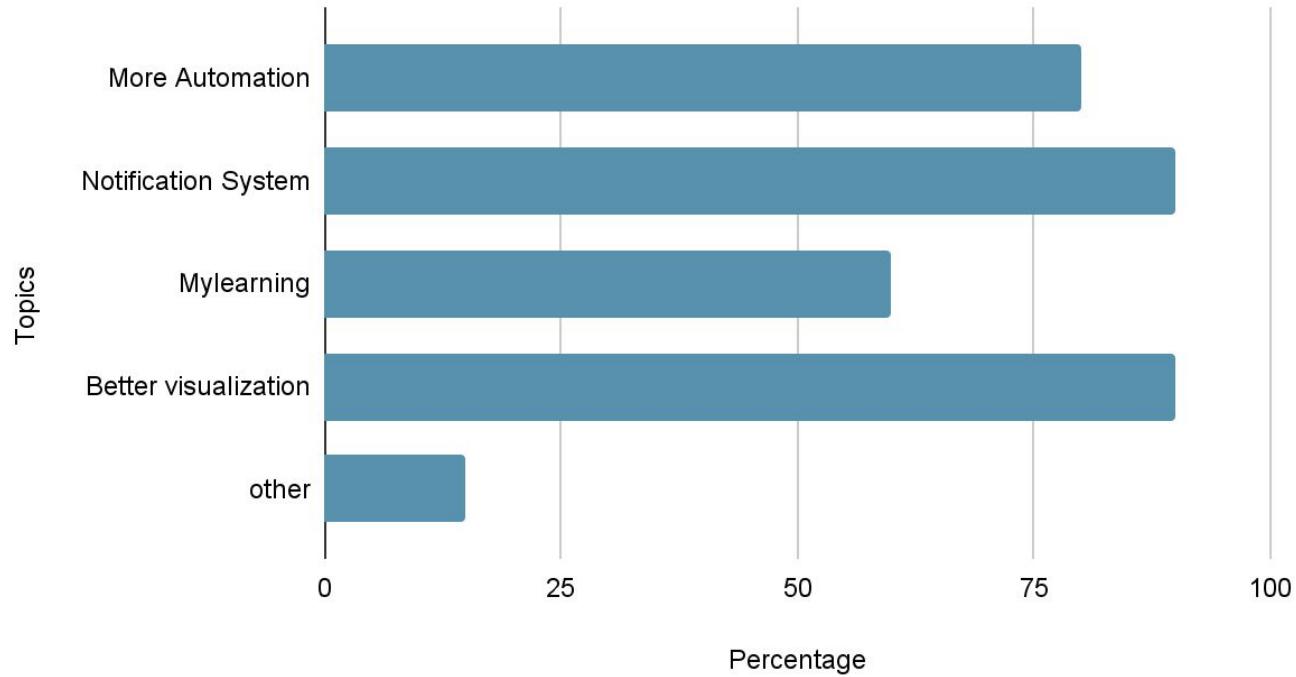
Interview Findings

- National Guard is harder to implement idea because things usually get implemented active duty down
- Medical units had their own separate system for additional Medical certification tracking (MRDSS)
- Comsquad filters the bases network access
- Medical training will soon be on myTraining-Kyle Strang
- Everything is transitioning into MyLearning
- Mylearning is being introduced in phases
- Different UTM platform for records
 - Excel
 - Paper
- Earlier notice on training expiration before drill.
 - Current (Couple days)
 - Goal (min week)

"A couple people tried excel, some people that were smarter who could make something better"-Jared Mina(Senior Medic)

"They combined the regulations, so you know what you have to do, but not as specific as in how" -Brian L'esperance(Base Training Manager)

Findings Recurrence





U.S. AIR FORCE



3 Initial solutions

Initial Solutions/Ideas

Human Resource Management
(Off-the-Shelf)



Pros

- No maintenance
- Proven product

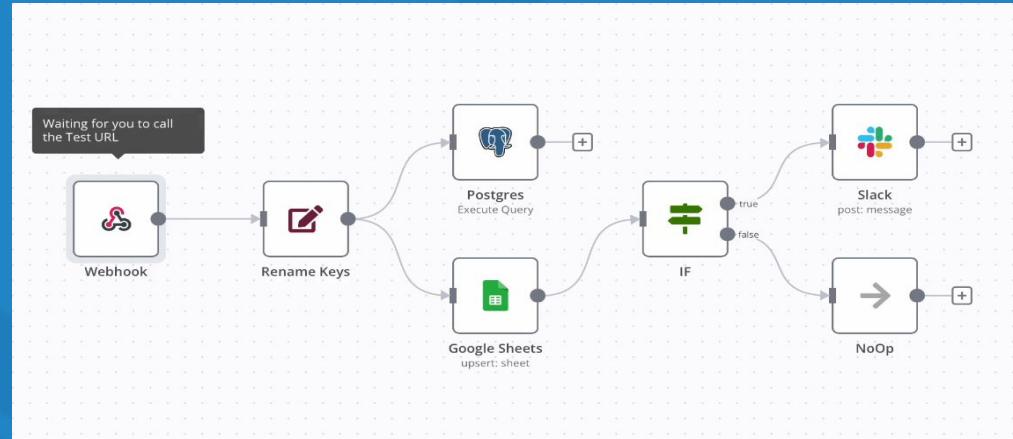
Cons

- Higher Budget
- Not tailored to beneficiaries
- Transition to new platform

Initial Solutions/Ideas

Workflow Automation

- Extend the current system
 - Excel extensions
- Integrate with external systems (optional)
 - Beehive (automation / notification system)
 - N8n (Automation System)



Pros

- Ease of transition
- Less human error

Cons

- Uncertainty with automating training platforms' data access

Initial Solutions/Ideas

Web App

- Goals of the App
 - Tracking
 - Notification system
 - Reporting system
 - clearance/security



Pros

- Consolidation
- Customization
- Tailored to beneficiaries needs

Cons

- Maintenance
- Future Updates
- Time consuming
- Transition to new platform

Conclusion After Interviews + Base Visit

Inputting

- Read off a Roster Sheet
- Some UTM use paper to keep track of training
- Manual Mass Input into system
- Multiple platforms require same submission.

Reporting

- Reports don't show everything needed, multiple reports needed to access to represent one area
- Bloat, a lot of extra information that is not needed when printing a report

Alerts

- Automated Alerts almost non existent
- Manually send alerts through email, or text,social media

Accessibility

- Leaders should be able to keep track of their own squadron
- Have to be on base networks

"I wished that something would pop up like an alert"-Multiple Interviewees

"I can see that we have people who have expired training but it's hard to see the specific individuals" - MSgt Santos(Unit Training Manager)

Decision to not use

Human Resource Management (Off-the-Shelf)

- Most are not FEDRamp (Federal Risk and Authorization Management Program) Approved
- Do not have the regulations required for a military training application
- Not enough specific functionality needed for Airforce UTMs*



Workflow Automation

- Read/Writing to Platforms will be difficult
- Similarly to Excel, any changes needed will need experience to make changes
- Need permissions/authorizations to even implement

"I'm not sure how you would even write to a platform if it could " - TSgt John Toms

Decision on Web App

Web App

- Similar need of permissions/authorizations to even implement any solution
- Can provide more specific functionality that is needed/asked of
- Any changes/functionality needed can be changed/added by us
- Inputs of different training types would be similar



Unit Training Managers	Pains	Gains
Consolidated Platform	<ul style="list-style-type: none"> • Many platforms with multiple inputs of duplicate data • Different steps they would need to go through for different training/types 	<ul style="list-style-type: none"> • Would just need to input information once, less tedious • Saving time • Reducing human error • For each training type, input should be similar
Better Visualization(Reports/Compliance)	<ul style="list-style-type: none"> • Reports full of bloat • Hard to find what you want from report • Multiple reports needed for one area • Only know who is expired 	<ul style="list-style-type: none"> • Color Coordinated for better visualization. • Remove redundant data, less time searching • Can be seen when Airmen might be due ahead of time such as 30-60 days
Automated Alerts	<ul style="list-style-type: none"> • Manual steps taken for alerting(text, email, etc) 	<ul style="list-style-type: none"> • Automation provides less input error • Saves time for mundane task
Accessibility	<ul style="list-style-type: none"> • Can only access platforms on base networks 	<ul style="list-style-type: none"> • With a consolidated system on the Cloud, they should be able to safely access from anywhere with Cac reader

Airmen	Pains	Gains
Giving Airmen access	<ul style="list-style-type: none"> Airmen don't have access to their information, only UTMs 	<ul style="list-style-type: none"> Airmen have more autonomy on their training/certification Better visibility on promotion requirements/trainings needed
Air Force		
Consolidated Platform		<ul style="list-style-type: none"> Reduction in the number of platforms running, reducing costs Only need one area(platform) to defend on the Cloud Produce higher compliance rates with airmen training/certification, leading to a higher quality trained airmen ready for deployment



U.S. AIR FORCE



MISSION MODEL CANVAS (MMC)

The Mission Model Canvas

Refer to presentation slides

Team Tracking Sidewinders

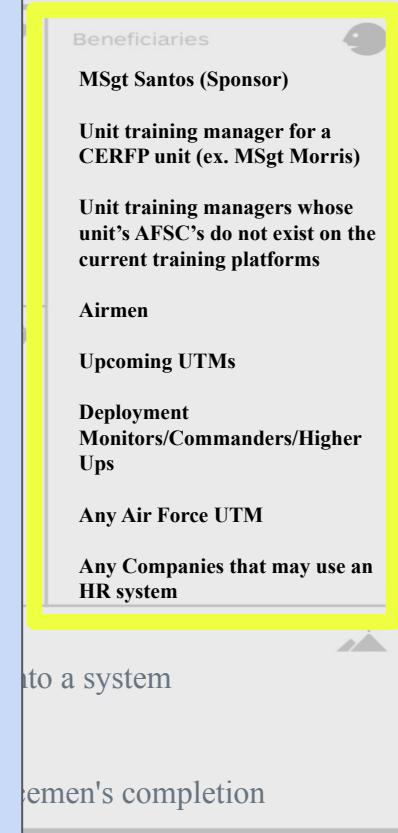
06 Dec 2022

Final

Key Partners	🔗	Key Activities	✓	Value Propositions	🎁	Buy-in & Support	❤️	Beneficiaries	
Key Resources	👤	Platform Consolidation Fewer Manual Inputs and Actions Better Visualization of detachment's readiness Non-job specific tracking Streamlined user interfaces and user interactions Excel Tool	Deployment	🚚	UTM Level Solutions End-to-end solutions: Unit Commander, NGB Level Approval, Joint-Base (Communications squadron) approval	Airmen Upcoming UTMs Deployment Monitors/Commanders/Higher Ups Any Air Force UTM Any Companies that may use an HR system	Unit training manager for a CERFP unit (ex. MSgt Morris) Unit training managers whose unit's AFSC's do not exist on the current training platforms	MSgt Santos (Sponsor)	
Mission Budget/Cost	กระเป๋าเดินทาง	Fixed: Excel Training, Complex App Development, Data Migration Fee Monthly: Monthly Seat Fee/Contract Fee, Cloud Hosting, IT?Maintenance Workers, Recurring Security Checks Total: \$683,400 Initial Fees + \$565,400/month		🏆	Mission Achievement/Impact Factors	🚩	Reduction of time to upload training into a system Positive feedback More automation than current system More efficient way of collecting servicemen's completion		



- 1. Primary:**
 - a. MSgt Santos (Sponsor)
 - b. Unit training manager for a CERFP unit (ex: MSgt Morris)
- 2. Secondary:**
 - a. Unit training managers whose unit's AFSC's do not exist on the current training platforms
 - b. Airmen
 - c. Deployment Monitors/Commanders/Higher Ups
- 3. Tertiary:**
 - a. Other Air Force or ANG UTM
- 4. Beyond:**
 - a. Any organization that may need a similar HR system



Key Partners



Key Activities



Value Propositions



Buy-in & Support



Beneficiaries



MSgt Santos (Sponsor)

Unit training manager for a CERFP unit (ex. MSgt Morris)

Unit training managers whose unit's AFSC's do not exist on the current training platforms

Airmen

Upcoming UTM's

Deployment Monitors/Commanders/Higher Ups

Any Air Force UTM

Any Companies that may use an HR system



- 1. Reduction of Time to uploading training into a system**
 - a. Currently: 15 - 20 minutes for uploading roster training
 - b. Expected: 5 - 10 minutes for uploading roster training
- 2. Feedback**
 - a. How more efficient the system is compared to current system .
 - b. The use of the system is less stressful to use

Mission Budget/Cost

Fixed: Excel Training, Complex App Development, Data Migration FeeMonthly: Monthly Seat Fee/Contract Fee, Cloud Hosting, IT?Maintenance

Workers, Recurring Security Checks

Total: \$683,400 Initial Fees + \$565,400/month

UTM Level Solutions

End-to-end solutions: Unit Commander, NGB Level Approval, Joint-Base Communications (quadron) approval

Deployment



Mission Achievement/Impact Factors

Reduction of time to upload training into a system**Positive feedback****More automation than current system****More efficient way of collecting servicemen's completion**

Key Partners	Key Activities	Value Propositions	Buy-in & Support	Beneficiaries
		<p>Platform Consolidation Fewer Manual Inputs and Actions Better Visualization of</p>	<p>UTM Level Solutions End-to-end solutions: Unit Commander, NGB Level Approval, Joint-Base (Communications Squadron) approval</p>	<p>MSgt Santos (Sponsor) Unit training manager for a CERFP unit (ex. MSgt Morris) Unit training managers whose unit's AFSC's do not exist on the current training platforms Airmen Upcoming UTMs Deployment Monitors/Commanders/Higher Ups Any Air Force UTM Any Companies that may use an HR system</p>

Mission Budget/Cost

Fixed: Excel Training, Complex App Development, Data Migration Fee

Monthly: Monthly Seat Fee/Contract Fee, Cloud Hosting, IT?Maintenance

Workers, Recurring Security Checks

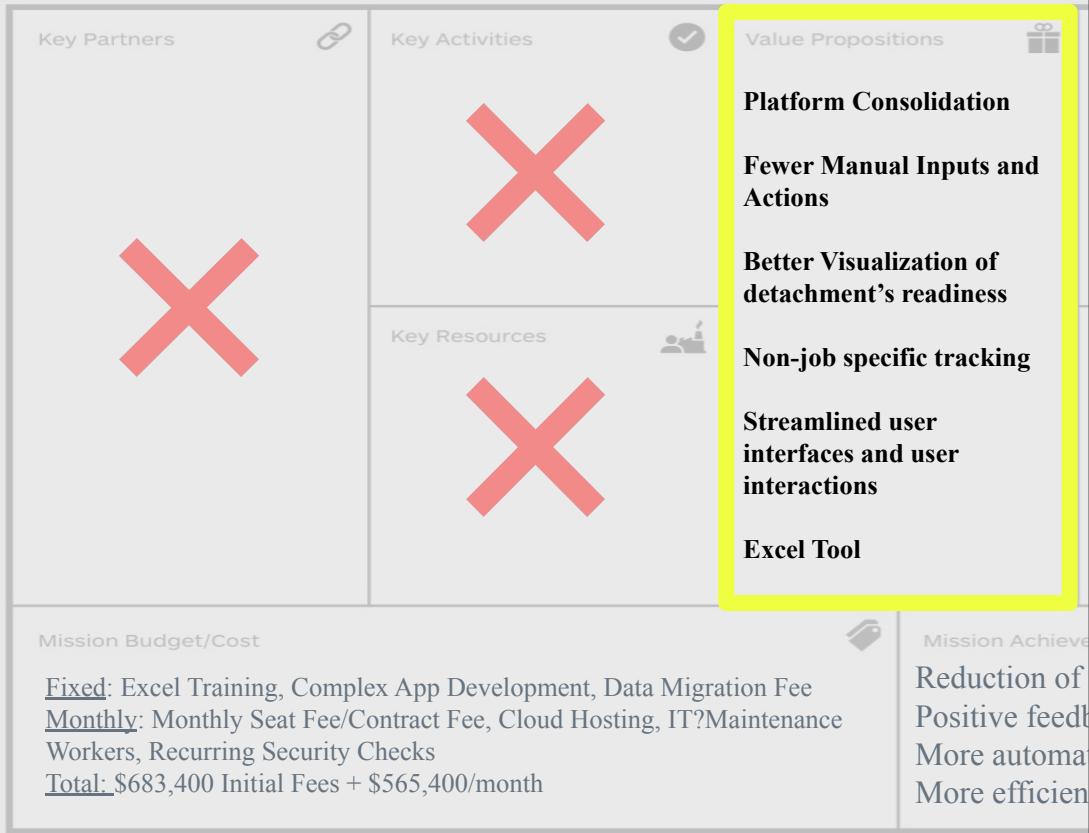
Total: \$683,400 Initial Fees + \$565,400/month

Reduction of time to upload training into a system

Positive feedback

More automation than current system

More efficient way of collecting servicemen's completion



1. Platform consolidation

- Combine all other training platforms into a all in **ONE HUB**
- Collect all needed functionalities from 5 training platforms into **ONE SOFTWARE**
- Consolidated security monitoring
- Only ONE APPLICATION** to manage, maintain, and regulate
- LOWERING costs, manpower, time to run the current system**
- Further **REDUCE TIME** by number of current platforms used to just one

-Not enough specific functionality needed for Airforce UTMs

Value Propositions

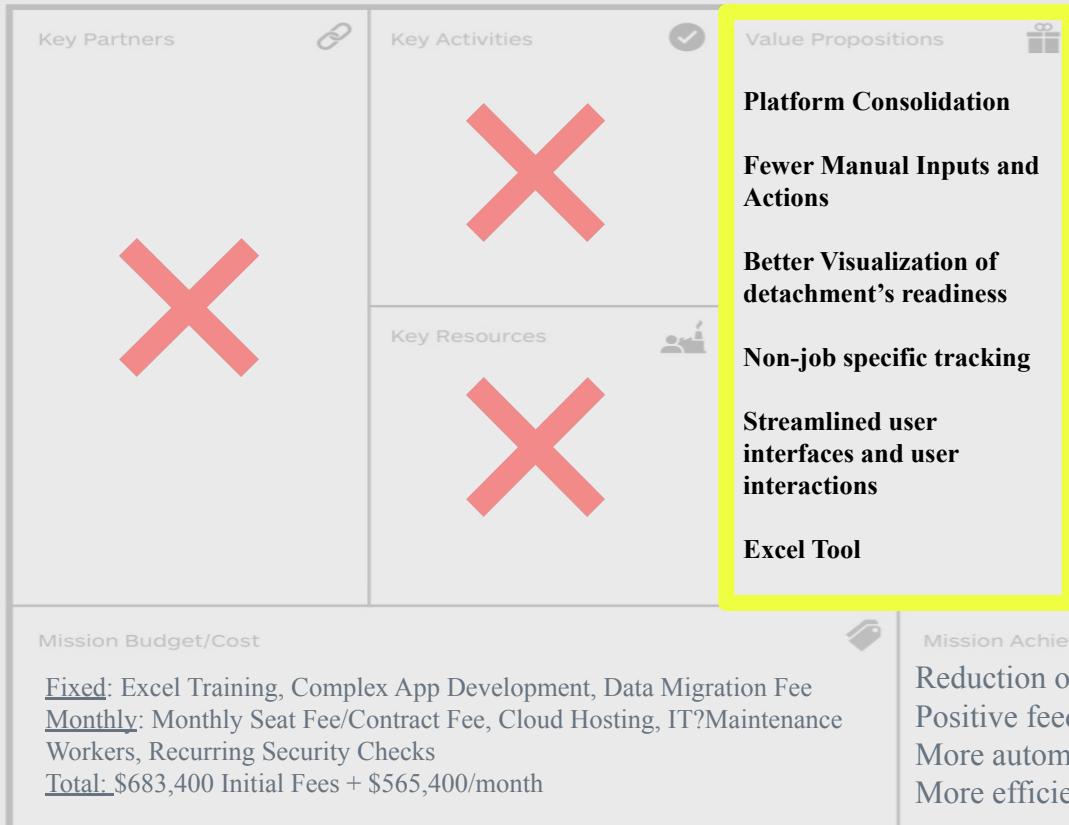
Refer to presentation slides

Team Tracking Sidewinders

06 Dec 2022

Final

<p>Key Partners</p>  <p>Key Activities</p>  <p>Key Resources</p> 	<p>Value Propositions</p>  <p>Platform Consolidation</p> <p>Fewer Manual Inputs and Actions</p> <p>Better Visualization of detachment's readiness</p> <p>Non-job specific tracking</p> <p>Streamlined user interfaces and user interactions</p> <p>Excel Tool</p>	<p>2. Fewer manual inputs and actions</p> <ul style="list-style-type: none">a. AUTOMATED ALERT system to UTMb. ONE CLICK SEND and automated notifications sent to expired servicemembersc. QUICK FILTERING systems to filter needed info for UTM (expired, due soon, one squad only)
<p>Mission Budget/Cost</p> <p><u>Fixed</u>: Excel Training, Complex App Development, Data Migration Fee</p> <p><u>Monthly</u>: Monthly Seat Fee/Contract Fee, Cloud Hosting, IT?Maintenance Workers, Recurring Security Checks</p> <p><u>Total</u>: \$683,400 Initial Fees + \$565,400/month</p>	<p>Mission Achievement/Impact Factors</p>  <p>Reduction of time to upload training into a system</p> <p>Positive feedback</p> <p>More automation than current system</p> <p>More efficient way of collecting servicemen's completion</p>	



3. **Better visualization of the detachment's readiness**
 - a. **COLORED** graphs and charts for quicker assessment of readiness
 - b. Better reporting of the current state of trainings to the higher ups
4. **Non-job specific tracking**
5. **Streamlined user interfaces and user interactions**
 - c. **EASY** to learn, user friendly interfaces
 - d. **QUICKER/EFFICIENT** uploading mass data

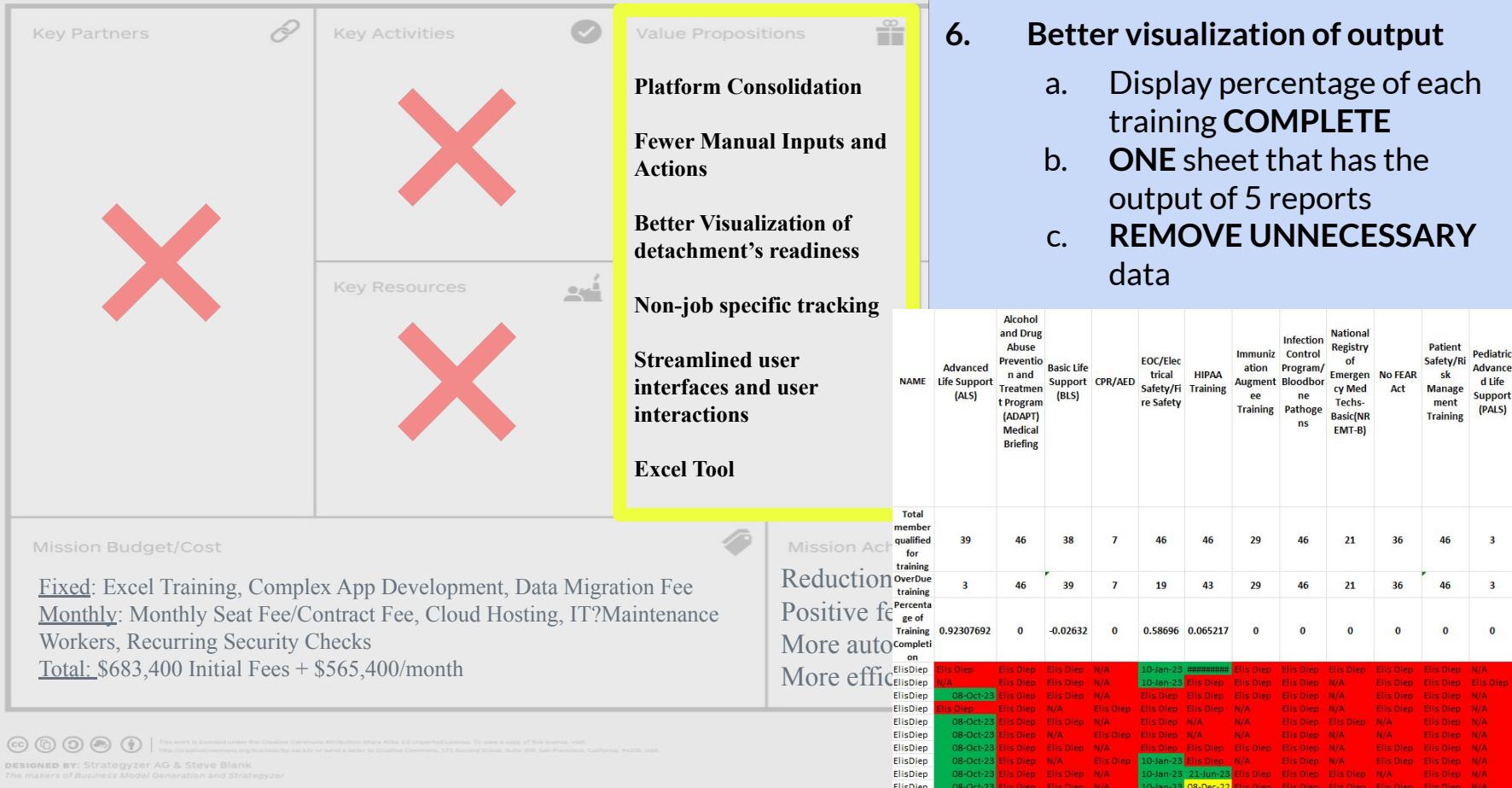
Value Propositions

Refer to presentation slides

Team Tracking Sidewinders

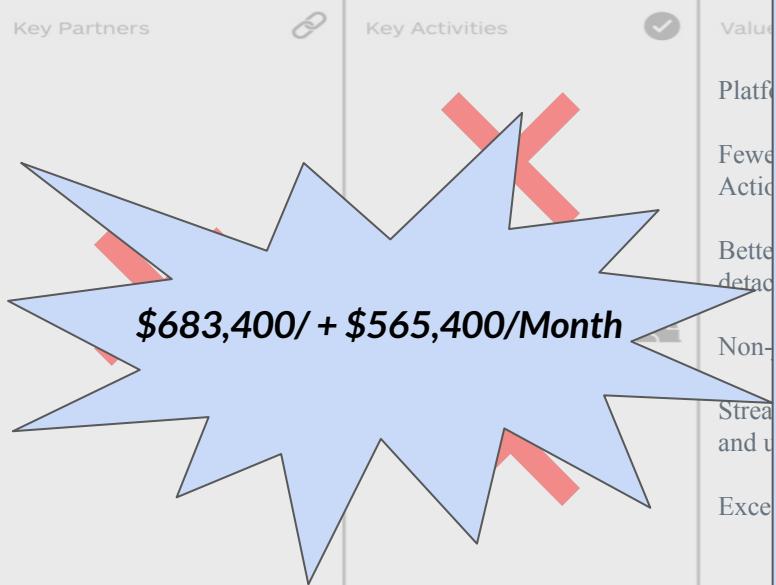
06 Dec 2022

Final



Market Size		Ref	Addressable Market	Main beneficiary size	Likelihood of sharing addressable problems
Key Partners		Value			
		Platform			
Few Act		Better data	MSGT Santos's detachment	UTMs in the unit	High
		Normal	Cross-enterprise ANG CBRN	17 units, 1+ UTM per unit	High/Medium
Stre and		Exceptional	ANG Medical Groups	Unknown, <668 units (1+ UTM/unit)	Medium
			ANG all units	668 units: 89 flying, 579 support, (1+ UTM/unit)	Medium
Mission Budget/Cost			Air Force Full-time and ANG all units	10 MAJCOM + ANG	Very Low
Fixed: Excel Training, Complex App Development, Data Migration Fee					
Monthly: Monthly Seat Fee/Contract Fee, Cloud Hosting, IT?Maintenance Workers, Recurring Security Checks					
Total: \$683,400 Initial Fees + \$565,400/month					

Mission Budget/Cost



Mission Budget/Cost

Fixed: Excel Training, Complex App Development, Data Migration Fee
Monthly: Monthly Seat Fee/Contract Fee, Cloud Hosting, IT?Maintenance Workers, Recurring Security Checks
Total: \$683,400 Initial Fees + \$565,400/month

Ref	FIXED	Cost	Total Cost
Value	Excel Training	\$50 Per Course	One Time \$33,400
Platform	Complex App Development	Starts at \$150,000	One Time \$150,000
Fewer Actions	Data Migration Fee	Bigger Workloads can be \$500,000	One Time \$500,000
Better details	MONTHLY		
Non-Streamlined	Monthly Seat Fee/Contract Fee	\$4 per User(107,414 NG airmen)	~\$430,000 / Month
Streamlined and updated	Cloud Hosting	Larger platforms start at \$9,455 a Month	~\$10,000/Month
Excel	IT/Maintenance Workers	Based off 1 IT Manager + 2 JR IT Needed Per 125 Person	~\$125,000 / Month
	Recurring Security Checks	\$400 a Month	~\$400 a Month



U.S. AIR FORCE



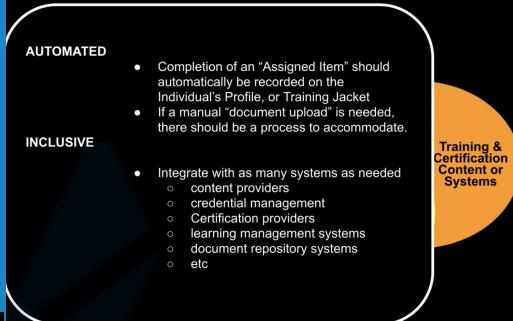
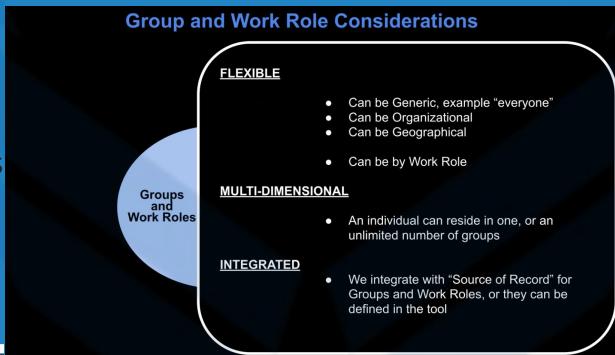
Solutions

DoD Contractor

5 Major Components of Workforce Management Tracking

- WorkForce
- Groups and Roles
- Training and Certification Requirements
- Training and Certification Content or Systems
- Complex Inter-Relationships

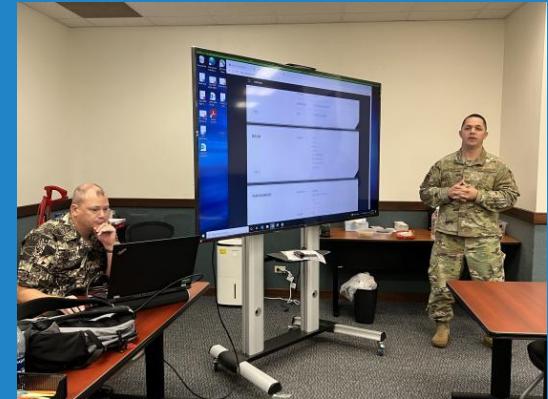
The screenshot shows the CYBERSTAR Work Role Integration software interface. The left sidebar includes navigation links for Dashboard, Account, Credentials, Work Roles, Activity Log, Manager, Compliance Review, Personnel, Reports, Admin, Groups, Credentials Collection, Work Roles, Vouchers, and Settings. The main content area is titled 'Credentials' and shows a form for adding a credential named 'Airplane Maintenance Training'. The form includes fields for Description, Removal Period (with options for 3 months, 6 months, 1 year, 3 years, and Never), User Compliance Requirement (File Upload or User Review selected), and Instructions To User. A 'Related Links' section at the bottom contains an 'Add Link' button.



"If I'm this rank then I should be able to see every unit on base, not just my own" - TSgt John Toms - Training Manager

Hickam Base

Goals:
Feedback of the M.V.P





U.S. AIR FORCE



M.V.P

https://h4dapp.bubbleapps.io/version-test/home_dashboard

Excel Solution

Not a permanent fix but a tool for MSgt Santos to use.

Enhanced capabilities of Excel come from enhanced knowledge

Gains

- One report instead of 5
- Better Visualization
- Removed excess data
- Display percentages
- Display names of person who are missing training
- Display when training is due
- Color coordinated
 - Overdue
 - Coming up
 - Good

DN	DL	Report 4 19.7685									
		Advanced Life Support (ALS)	Alcohol and Drug Abuse Prevention and Treatment Program (ADAPT) Medical Briefing	Basic Life Support (BLS)	CPR/AED	EOC/Electrical Safety/Fire Safety	HIPAA Training	Immunization Augmentee Training	Infection Control Program/Bloodborne Pathogens	National Registry of Emergency Medical Technicians(NR EMT-B)	No FEAR Act
Total member qualified for training	1	46	38	7	46	4	1				
OverDue training	1	35	28	6	13	0	0				
Percentage of Training Completion	0	23.913	26.3158	14.2857	71.73913	100	100				
	N/A	ALMERO	ALMERO	N/A	10-Jan-23	14-May-17	N/A	N/A			
	N/A	ANDO	ANDO	N/A	10-Jan-23	12-Dec-24	N/A	N/A			
	ASAY	ASAY	ASAY	N/A	ASAY	ASAY	12-Dec-24	N/A	N/A		
	AARON	AARON	AARON	N/A	AARON	AARON	12-Dec-24	N/A	N/A		
	N/A	BALMON	BALMON	N/A	BALMON	BALMONTE	12-Dec-24	N/A	N/A		
					SORRIO	SORRIO					

This isn't New

 <p>U.S. AIR FORCE</p>	 <p>myLearning Learn anywhere, anytime, on any device</p>	
<ul style="list-style-type: none">• Samantha Kunzelman, TSgt, USAFAFRL Det 1 Unit Training Manager• Comparison of two systems used at The time AFTR and TBA• Systems had 61 common functions, TBA 23 unique functions, 16 unique for AFTR	<ul style="list-style-type: none">• ... platform's vision is to centralize LMS platforms across the force and allow the student to access multiple databases and training curriculum with a single login, which eliminates the need for Airmen to have multiple passwords for access.	<ul style="list-style-type: none">• ... ensure that the products being built will benefit the end user by reducing the manual processes and task saturation that many Airmen face in their day to day jobs.

End Points

- ▷ Military will not take in two contracts that compete with each other(Except they already have contract for new platform)
- ▷ Contractor does not take into inputs of common airmen or UTMs





U.S. AIR FORCE



Thank You

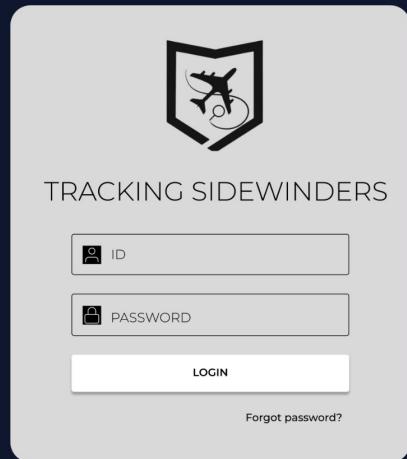
Director H4D: Gloria Choo

Instructor: Jeff Hui

Mentor: MSgt Santos

Attendees

Authentication



CONTACT ADMINISTRATOR

Dashboard Visualization

// logo here

- [Dashboard](#)
- [Profiles](#)
- [Reports](#)

Dashboard

Air Force Ancillary



Gain: Better Visualization for UTM
John Doe

Air Force Individual Training (Recurring)



TOP 5 NON-COMPLIANT TRAININGS



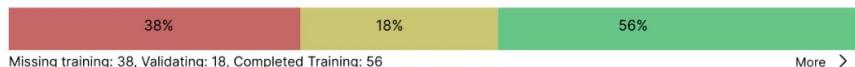
"You're already way ahead of what we have with these charts" - TSgt John Toms - Training Manager

Professional Military Education



See more >

Army Trainings ITRM



Profiles List

The screenshot shows a user interface for managing profiles. On the left is a dark sidebar with icons for Dashboard, Profiles, and Reports. The main area has a header "Profiles" and a user profile "John Doe". Below is a search bar and four buttons: UPDATE, NOTIFY, FILTER, and REPORTS. A table lists 15 profiles with columns: LAST NAME, FIRST NAME, RANK, AFSC, STATUS (Missing), and ACTION. Each row includes a checkbox and a "View/Edit" link.

	LAST NAME	FIRST NAME	RANK	AFSC	STATUS (Missing)	ACTION
<input type="checkbox"/>	Lee	John	TSGT	[afsc]	0	View/Edit
<input type="checkbox"/>	McCoy	Ariene	CPT	[afsc]	7	View/Edit
<input type="checkbox"/>	Howard	Esther	MAJ	[afsc]	2	View/Edit
<input type="checkbox"/>	Richards	Ronald	MSGT	[afsc]	0	View/Edit
<input type="checkbox"/>	Flores	Albert	SSGT	[afsc]	3	View/Edit
<input type="checkbox"/>	McKinney	Marvin	CPT	[afsc]	9	View/Edit
<input type="checkbox"/>	Miles	Floyd	LTC	[afsc]	1	View/Edit
<input type="checkbox"/>	Henry	Courtney	TSGT	[afsc]	5	View/Edit
<input type="checkbox"/>	Hawkins	Guy	SSGT	[afsc]	7	View/Edit
<input type="checkbox"/>	Edwards	Ralph	SSGT	[afsc]	1	View/Edit
<input type="checkbox"/>	Lane	Devon	MAJ	[afsc]	2	View/Edit
<input type="checkbox"/>	Wilson	Jenny	TSGT	[afsc]	4	View/Edit
<input type="checkbox"/>	Cooper	Bessie	AIC	[afsc]	1	View/Edit
<input type="checkbox"/>	Williamson	Cameron	CMS	[afsc]	6	View/Edit
<input type="checkbox"/>	Robertson	Darlene	MAJ	[afsc]	0	View/Edit
<input type="checkbox"/>	Jones	Jacob	SSGT	[afsc]	0	View/Edit

Gains:

- Most needed filtering
 - EDIP
 - AFSC
 - PAS
 - Work Center
 - Due soon
 - Expired
- 1-click notify
 - Notify all airman with expired trainings

Service Member Profile

Service member Profile

John Doe

Rank First Last
Position AFSC:[afsc]

View / Upload certificates

Notify Report

Training Name Status Date Completed Date Due

AE Operations Sustainment Training	Complete	06 August 2022	06 August 2022
AEPSC - Aeromedical Evacuation and Patient Staging Course	NOT Complete	-	13 January 202
AEPS SC Sustainment Training/Exercise	Complete	06 August 2022	06 August 2022
AF Counter - Improvised Explosive Device (C - IED) Awareness (BDR)	NOT Complete	-	13 January 202
AF UDM - M1 Basics	Complete	06 August 2022	06 August 2022
AF UDM - M2 LOGMOD	NOT Complete	-	04 December 2
AF UDM-M3 SIMULATOR	Complete	17 October 2022	17 October 202
AFMS Mission Briefing	NOT Complete	-	13 January 202
ATSO	Complete	17 October 2022	17 October 202

Profile > View / Upload Certificate

John Doe

Certificate of Successful Completion

This certificate is awarded to
Gloria A. Reimherr

40 hours of Professional Medical Interpreter Training
January 2021

Jackson, Mississippi
Veterans Health Care Facility
U.S. Department of Veterans Affairs
Education and Training Department of the
Education Faculty assigned to the
Medical Interpreter Training Program

Laura A. [Signature]
Manager, Medical Interpreter Training Program

Trauma Skills Sustainment Training.pdf

Upload certificate

Mass Training Update

The screenshot shows a software application window titled "Mass Update". In the top right corner, there is a user profile icon labeled "John Doe". On the left side, a dark sidebar contains icons for "Dashboard", "Profiles", and "Reports". The main content area has a header "NAME OF TYPE OF TRAINING". Below this, there are two sections: "Training" and "Completed training". The "Training" section lists "CCAT Volunteer", "Hazardous Cargo", "Medical Management of Biological Casualties", and "Clinical Currency". The "Completed training" section lists "SSgt Pierce Gentry", "SrA Vinnie Mullen", and "SMSgt John Graves". At the bottom of the main content area, there is a table header with columns: LAST NAME, FIRST NAME, RANK, AFSC, ID, STATUS, and ACTION. A search bar and buttons for "UPDATE", "NOTIFY", "FILTER", and "REPORTS" are located above the sections.

Used similar mass Training Update as current

“We don’t have a notification system”

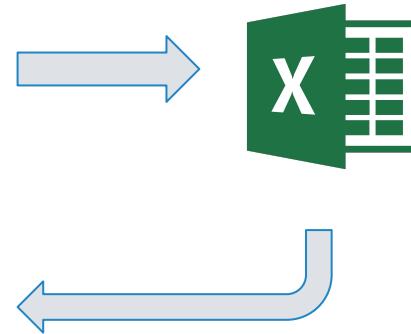
Gain: Automated Mass or Single Notification

Excel Report Import / Export

The screenshot shows a user interface for managing Excel reports. On the left is a dark sidebar with icons for Dashboard, Profiles, and Reports. The main area has a header "Export / Import" and a user profile "John Doe". It's divided into two sections: "IMPORT EXCEL TO WEBSITE" on the left and "EXPORT DATA TO EXCEL" on the right. Both sections have a "Training Type" dropdown menu with options: "Select Training To Import", "Air Force Ancillary", "ITRM", "Individual Training", and "MRDSS". Below the dropdowns are "Drag and drop file here" and "Click to download" buttons.

Gain: Easy integration with legacy system

- Download and upload excel files



DEMO

<https://main.d32ai1lyqme0q3.amplifyapp.com/>

Decision on built App

Human Resource Management (Off-the-Shelf)

- Most are not FEDRamp (Federal Risk and Authorization Management Program) Approved

- Do not have the regulations required for a military training application

- Not enough specific functionality needed for Airforce UTMs

Workflow Automation

- Read/Writing to Platforms will be difficult
- Similarly to Excel, any changes needed will need experience to make changes
- Need permissions/authorizations to even implement

Web App

- Similar need of permissions/authorizations to even implement
- Can provide more specific functionality that is needed
- Any changes can be implemented into the platform
- Just as/or less complex than building a platform that pulls data from current systems

"I'm not sure how you would even write to a platform if it could " - TSgt John Toms