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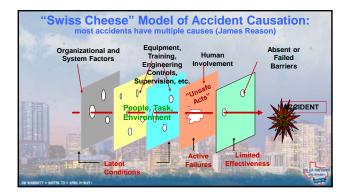
Worldwide organization of FBO, OEM, MRO, and GSP companies Has employed a dedicated risk manager for more than 25 years Implementing SMS on a voluntary basis Goal of Zero Preventable Accidents

What is SMS?

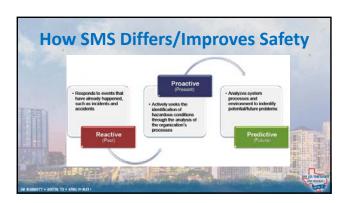
- A systematic approach to managing safety, including the necessary organizational structures, accountabilities, policies and procedures. (ICAO).
- A top down, organization-wide effort to avoid accidents.
- A giant step beyond merely complying with minimum requirements.
- A proactive, not reactive, manner to assess and mitigate risk.
- A continually evolving program with dedicated personnel who assess performance and recommend improvements.

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Evolution of Safety Programs AABBITT- BRIS 11-1 BRIS -9-41







Practical Applications of SMS Airlines Unmanned Flight Airports FBOs/GSPs Military FAA/Government Product OEMs, MROs











(Dis)Advanta	ges of Being Human
DEFENSE BONDS STAMPS AMAITT LIBIT TO L	I can't hear the engine rpm fluctuating I can't feel vibrations, accelerations or motion I can't smell the fuel leak I can't taste the electrical fire smoke AND, I lose vision in one eye, 30° FOV! WELCOME to UAS flying!

MROs, FBOs and GSPs

- Challenge of integrating disparate business lines and cultures under one safety system
- Methods of training, supervision, hazard id, risk assessment and reporting differ
- How to continue running each business and location profitably while integrating a new safety system?

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We are the Same -- but Different

- MRO includes closed environment facilities with highly regimented tasks, as well as field service opportunities
- Facilities vary dramatically in size and work scope
- Losses are typically external to the operation

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... Maybe more Different than Same

- FBOs are primarily customer-facing, in a dynamic outdoor environment
- Hazards involve persons external to the business
 as well as their property
- Risk assessments consider customer immediate needs and requirements
- Environmental concerns are a further variable

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In fact, mostly Different

- GSP's respond to the high pressure demands of airlines and scheduled service customers
- The AOA: extremely fast-paced with many unique hazards from competing entities, collaborators, and non-customer airlines
- Deadlines for turnaround can be in tension with need to minimize risks

BUT – we share the goal of safety

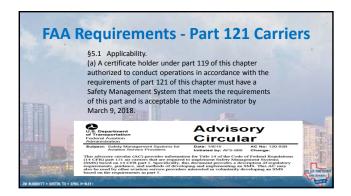
- Objectives
- Manual
- Hazard identification
- Risk assessments
- Training
- Data collection
- Auditing

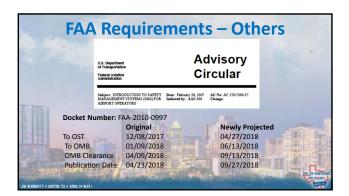
Safety Management System















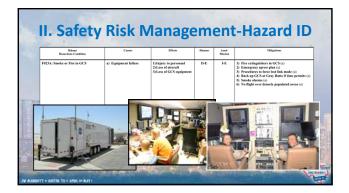
E.g. --SMS ORIENTATION GOALS To launch and introduce SMS at a high level and preview what's to come To set the stage for the next 3-5 years of SMS implementation To diagnose requisite behavioral / cultural changes that all will be involved with To position leadership to embrace, own and lead the SMS change To develop leadership's capacity for leading significant change beyond SMS To do the above in a most effective and experiential way.

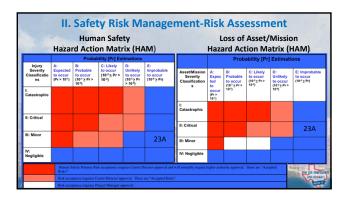
Next Steps		1 1
Company-wide commitment to adopt formal Aviation SMS process Re-orient current material, practices and efforts to conform with SMS program	1	Planning & Organizing
Evaluate current outside/internal support to and execute true aviation SMS program Engage interested regulatory authorities (FAA/CAA)	Promotio	on
Company-wide safety statement and SMS commitment Company wide SMS orientation/training by 2Q 2015 for all leadership Company wide SMS orientation/training by 2Q 2015 for all leadership		
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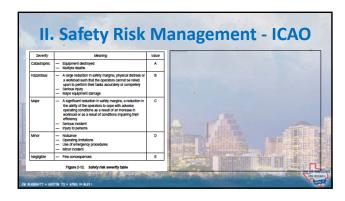
Manual comp	iete			
ing systems ar	nd processes		Level 4	Continuous Improveme
ped to SMS			Level 3 Pro	pactive Processes
			vel 2 Reactive	Processes
training for m	anagers includin		Discourse	
rations GMs, H	ir 🗾 🔏	Level 1	Planning and	Organizing
HSE complete		Baseline	Prientation & Comm	nitment
	ing systems ar ped to SMS Management gned and imple training for m rations GMs, F	ing systems and processes ped to SMS Management of Change proce gned and implemented training for managers includin rations GMs, HR	ring systems and processes ped to SMS Management of Change process gned and implemented training for managers including rations GMs, HR	ring systems and processes ped to SMS Management of Change process gned and implemented training for managers including rations GMs, HR Level 1 Planning and

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Safety Policy & Objectives	Safety Risk Management	Safety Assurance	Safety Promotion
Management Commitment	Hazard Identification	Safety Performance	Training & Education
Accountabilities	Risk Assessment	Management of Change	Safety Communication
Emergency Response	Risk Mitigation	Continuous Improvement	
Documentation			

I. Safety Police	cy-SMS Manual
FOCUS	MAINTAIN
Establish Corporate SMS policies and procedures, accountability, responsibility and	Manual structure and alignment to ICAO Annex 19
flow-downs	Current basic content (Section A)
Define corporate risk acceptance levels Set guidance for Business Unit, Company and	
Site-specific authorities and unique system	ADD
attributes ADJUST Focus on just those elements that are unique to the Division including measurable Safety Objectives, Accountabilities and Responsibilities establish Divisional Risk Acceptance criteria and authority	Identification, verification and performance monitoring of Division-specific Safety Risk Controls Hazard Register documenting top five Division SMS Hazards, associated Risk Controls and Risk Assessment Formal Division Safety Assurance audit process and requirements
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III. Safety Promotion Initial Design/Draft • Establish MOC policy/criteria (when required), process flow, participant requirements, system requirements, record keeping requirements and procedural documentation for incorporation in SMS Manual Incorporate in database • Create data collection (form), notification and workflows in database Test • Select and perform tests of MOC process using live test cases in each Division

Determine training and communication requirements and schedule release of process to coincide with release of Corporate SMS manual

IV. Safety Assurance Employee Reporting System • Evaluate current reporting forms, investigation process/records and data analysis capabilities of database Internal Evaluation (Audit) Program • Assess current Corporate, Divisional and Site audit and inspection processes, tools and results including Corrective/Preventative Actions process Investigations Process • Evaluate investigations processes, consistency, records and continuous improvements resulting from reported hazards, incidents and accidents





Continue t	he dialogue
	roviding this platform to
	lective efforts at improving
safety in aviation,	a goal we all share.
****	Raymond L. Mariani, Esq. Murray Morin & Herman PA New York
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