

Apron Safety Handbook for U.S. Airport Operators

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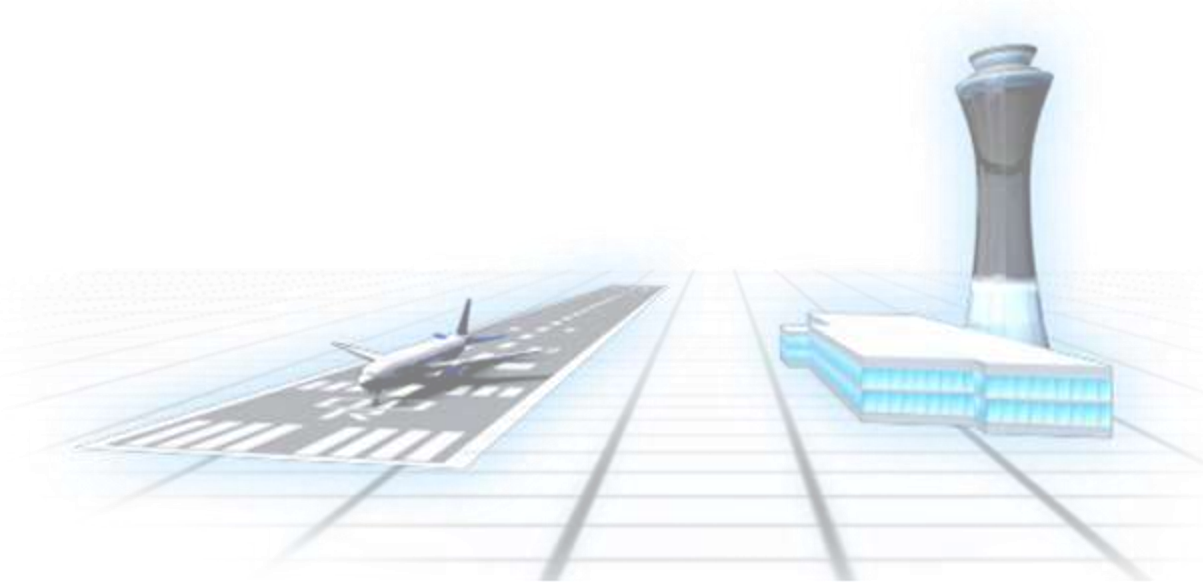
Apron/Non-Movement Area Safety

- Apron safety presents significant challenges worldwide
 - Large number of actors—airports, airlines, ground service providers, other vehicle operators
 - Differences and overlaps in safety policies, procedures, and programs among these actors
 - Significant variations in physical and operational characteristics from airport to airport



Apron/Non-Movement Area Safety (Continued)

- ACI-NA sees a need to be proactive both to reduce risk and avoid regulatory action by the FAA



Apron Safety Handbook Goals

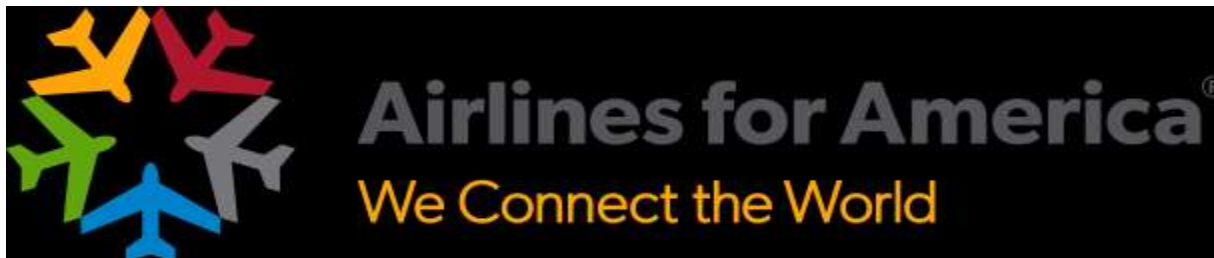
- Provide conformity and continuity between airports and international standards
- Establish defensible “Best Management Practices”
- Serve a US supplement to the ACI World Apron Safety Handbook that reflect US best practices

Coordination Efforts AAAE & A4A

- American Association of Airport Executives
 - Operations, Safety and Planning Committee



- Airlines For America
 - Ground Safety Committee



Identified Industry Documents

- Review all known reference sources and documents including:
 - IATA-*Aviation Ground Operation Safety Handbook*
 - Flight Safety Foundation-*Ramp Operational Safety Procedures*
 - ACI World-*Apron Safety and Apron Markings & Signs Handbooks*
 - ACI-NA-*Ramp Safety Membership Survey*



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1: Licensing & Managing Third Party Handling Agents

- Third party ground handlers proving more service to major U.S. airlines
- Some airports have experienced reductions in the level of employee experience, equipment maintenance and overall quality of apron operations
- Airports adding requirements to the licensing agreements to ensure quality and safety of ramp operations is maintained at satisfactory levels
- A4A 'Line Operations Safety Assessment' guidelines for apron maintenance and safe operations
- IATA Safety Audit for Ground Operations' (ISAGO) Program provides on-site audit of ground handler performance-consider annual audit to licensing agreement

2: Regulation & Enforcement of Vehicle Operation

- Part 139 requires airports to exercise control vehicles and pedestrians on movement areas (effectively non-movement area)
- Issues Relevant to Apron Safety: Vehicle maintenance and control of vehicle operations (speed, use of signals and service roads, giving way to airplanes, etc).
- ACI World Apron guidebook and numerous FAA ACs provide guidance. However, airports should demonstrate relevant regulations and maintain records that demonstrate regulations are actively enforced
- Maintain records to show chosen enforcement mechanisms do control driving behaviour-airport exposure to legal risk may increase

3. Review & Approval of Tenant Design for Initial Design/Modification of Leased Apron

- Some airports allow airline tenant to mark/sign exclusively leased aprons in accordance to individual airline standards
- Other airports operate in accordance with airport-wide standards
- In either case, airports should develop a process of design review approval of tenant alterations to apron layouts to assure ARFF access, safety of ramp loaded passengers and other life-safety considerations are satisfactorily addressed
- Close coordination with airline tenants essential

4. Reporting and Record Keeping of Apron Accidents or Incidents

- Series incidents, accidents or requiring a response by ARFF/EMS/Police personnel are available through the airports ARFF, operations or police logs.
- Less serious incidents are resolved internally by tenants and not reported to airport operator
- Important to have access to precursor events to effectively manage apron safety
- Consultation with tenants should identify a threshold at which workplace injuries, equipment malfunctions and other safety occurrences should be shared with airport

5. Fueling Issues

6. Ramp Safety Committees

- Part 139 establishes specific requirements for recordkeeping and training of fuelers and fuelling activities
- US airports should take these responsibilities into consideration as they engage in apron safety activities
- Ramp Safety Committee comprised of airlines, ground handlers and airport staff to address apron safety issues

7. Regulatory Citations & Liability Issues

- Part 139.329 requirements to exercise control over vehicles and pedestrians that have access to the movement area
- Part 139.301/321 regulates fuelling and the recordkeeping/training of fuelers
- Part 139.335 Public Safety
- Part 139.321 Protection from Hazardous Materials
- Part 139.329 limits access to movement and safety areas

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