

# Apron Safety HANDBOOK

First Edition 2015



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## General Information

- Idea and Subject finalized during 29<sup>th</sup> STSC meeting in Cape Town.
- Brainstorming for topics in 30<sup>th</sup> STSC -Montreux
- Working Group finalized during 31<sup>st</sup> STSC in Montreal
- Base taken from Airside Safety Handbook
- Discussions on final topics to be included and alignment done in Montreal and subsequent wrap up in 32<sup>nd</sup> STSC at Melbourne

## General Information

- WG members completed their assignments by November 14, 2014
- Proof reading and editing completed by May 15, 2015
- Assignment of balance work to WG Members for review – Aruba -- Coordination taken over by Nicholas Ratledge
- WG Review Work and Submission - July 2015

## General Information

- Draft presented to STSC Executive and Regional Office – Aug 2015
- STSC Members Review – Aug-Sep 2015
- Submission to Technical Writer – Oct 2015
- First Published Product for Review by STSC Executive and Regional Members – Nov 2015
- Final STSC Members Review – Dec 2015
- 1st edition of ASH Published – Dec 2015

## Apron Safety Handbook Chapters

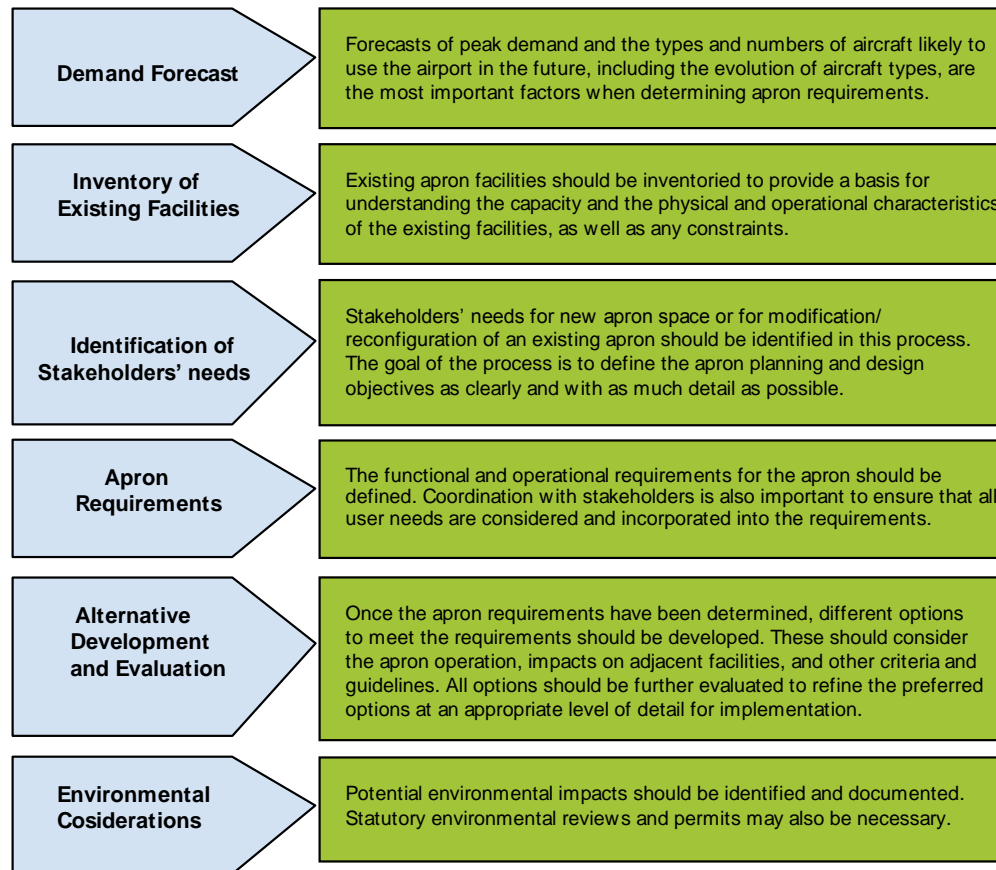
- **Apron Safety**
- **Apron Planning and Design**
- **Operations**
- **Apron Maintenance and Construction**

## Apron Safety

- Focuses on the importance of safety on the apron areas and the role airport operators need to contribute
- Emphasis on creating apron safety committees with all stakeholders working on apron areas (ground handlers, catering, etc.)
- Promotion the use of personal protective equipment
- Supporting the development of a positive safety culture amongst stakeholders
- Best practices in developing no alcohol, no smoking and no drug policies for any operation on the apron

## Apron Planning and Design

- Utilizing best practices in an apron planning process



## Apron Planning and Design

- Explaining the different types of aprons used at airports and equipment requirements for each one:
  - Passenger Terminal Aprons
  - Remote Aprons
  - Cargo Terminal Aprons
  - De-icing Aprons
  - Maintenance Aprons



## Apron Planning and Design

- Discussion of apron layouts to maximize requirements of aircraft needed to be accommodated during peak hours, type of aircraft planned, and clearances required for safe, efficient use
- Provided latest ICAO separation index in line with latest amendments to ICAO Annex 14

## Apron Planning and Design

- To enhance safety on aprons, the proper use of visual aids are explained
- Reference to the ACI Apron Markings and Signs Handbook for detailed information. Handbook being updated for 2016 publication
- Guidance on the use of Ramp Information Display Systems (RIDS)

## Operations

- Chapter focuses on the different types of operations around aprons and best practices on reducing accidents surrounding these operations

## Operations - Vehicles

- Explains the overall responsibility of managing vehicle operations should be the airport operators and best practices required
- Outlines details airport operators need to impose when issuing airside vehicle permits and operation requirements

## Operations - Aircraft

- Tend to be the most dangerous situations on apron areas
- Mitigation techniques focus on what airports should have in place in regards to:
  - Engine Starts
  - Jet Blast
  - Run-ups
  - Pushback Procedures
  - Follow-Me Services

## Operations - Aircraft

- Ground Handling services are explained on aprons
- ACI is in the process of developing a white paper for our members on what airport operators can do to better manage ground handling operations on apron areas.

## Apron Maintenance and Construction

- Chapter focuses on recommendations regarding apron infrastructure, facility maintenance activities and construction on apron areas

## Apron Maintenance and Construction

- Details the requirement of establishing a preventative maintenance program for all airport assets on the apron. Lists typical components to focus on
- Explains all the steps needed to prepare maintenance and construction activities



## Apron Maintenance and Construction

- Guidance provided on how to protect the construction area including signage and access points
- Steps taken for airport operators to return the construction area back to service



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