



NSAI

ANNUAL REPORT 2018

**NSAI TECHNICAL COMMITTEE
(NSAI/TC047/SC14)
CABIN AIR QUALITY**

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1 Chairman's Statement

The National Mirror Committee is committed to contributing in a positive and pro-active manner to achieve a successful outcome to the work of CEN/TC436 who are the European technical committee responsible for developing standards on air quality in aircraft.

The range of expertise and professional knowledge ensure that the contribution of the national mirror committee is positive and effective.

2018 was challenging in that progress was slow in registering the work item and commencement of work on the draft. 2 meetings were held of the CEN.TC436. At the March 2018 meeting of CEN/TC436, Irish experts presented technical papers to the meeting and shaped the scope of the proposed draft. This paved the way for registering the work item and commencement of work.

In July of 2018, the work item was registered, and it was expected that work would commence in due course. Unfortunately, this did not happen and at the September meeting, with support from other NSBs, Mr John Goss proposed the establishment of a Drafting Committee to take responsibility for the draft and start work. This was welcomed by all members of the TC. This initiative resulted in a committee draft being developed by the end of 2018 in a period of 3 months. This required huge commitment and support from NSAI.

It is hoped that this good work will continue into 2019 where further meetings will be required to finalised it for enquiry mid-2019.

Mr John Goss

Chairman

NSAI/TC047/SC14 Cabin Air Quality

2 Introduction

This National Mirror Committee (NSAI/TC)47/SC14) was established in May 2015 due to several interested parties contacting NSAI, with respect to the work of European Committee, CEN / TC436 "Cabin Air Quality on commercial aircraft – Chemical Agents."

CEN / TC436 was established in 2015 because of a CEN BT Decision (BT N 9662).

Experts from the NSAI/TC)47/SC14 participate by attending meetings of CEN/TC436 and the submission of comments.

3 Scope of TC

To participate in the development of European standards on "Cabin air quality on civil aircraft - Chemical agents" suitable for all stakeholders including passenger organizations, crew associations, aircraft and engine manufacturers, parts and components manufacturers, airlines and OSH (Occupational Safety and Health) representatives through the work of CEN/TC436.

The committee mirrors the following regional committees:

Committee Name	Committee Title
CEN TC436	Cabin Air Quality on Civil aircraft – Chemical Agents

4 Structure and Membership

4.1 Structure

The Figure below illustrates the structure of the Committee:



There are no sub- committees of this NSAI/TC047/SC14 as there is only 1 active work item .

4.2 Members

The list below are the members for the year:

Organisation	Name	Role
Safety & Technical, Irish Airline Pilots Association (IALPA)	John Goss	Chairman
Human Performance - IALPA		National Committee member
Toxicologist		National Committee member
Aer Lingus Cabin Crew		National Committee member
Ryanair Pilot Group		National Committee member
Irish Aviation Authority		National Committee member
Aer Lingus Cabin Crew		National Committee member
IALPA		National Committee member

5 Summary of 2018 Activities

5.1 National

5.1.1 Meetings

Due to the lack of progress within CEN/TC436, meetings were not held as frequently as would be expected. Correspondence was carried out by email with direction from the Chairman to address correspondence from CEN/TC436.

A face to face meeting was held of the national mirror committee on the 20th February 2018 to prepare for the March meeting of CEN/TC436 where the SCOPE of the new work item was on the agenda.

5.1.2 National Work

Members of the NSAI/TC47/SC14 participate in the work of CEN/TC436 by submitting comments on the committee draft and by attending meetings of CEN/TC436.

5.2 International/Regional

5.2.1 Meetings

NSAI National Mirror Committee members attended CEN/436 committee meetings as follows:

Committee Name	Location	Date	No. of Attendees
CEN TC436	London	20 th -21 st March 2018	3
CEN TC436	Brussels	18 th -19 th Sept 2018	2

The work of this CEN/TC436 is quite challenging with manufacturers of aircraft and air handling systems resisting progress of a draft standard.

At the March meeting the Irish delegation made presentations to the CEN/TC436 in relation to legal obligations and requirements- based standards (E O Ferrall) and toxicology (V Howard). Both presentations were well received. At this meeting there was major discussions on the SCOPE of the proposed standard and due to the interventions by B Fogarty, V Howard and E O Ferrall the SCOPE was revised as outlined below in 6.

In July of 2018, the work item was registered, and it was expected that work would commence within a few weeks. At the plenary meeting in September 2018, further delays were identified such as the formation of a working group to carry out the drafting work and concerns about delivering the work item on time under the CEN rules.

As an interim, the Irish Delegation lead out by Mr John Goss (Chairman of the National Mirror Committee) made a proposal to the CEN/TC436 Plenary meeting for the establishment of a Drafting Committee to commence the work on the draft and for it to be disbanded once a working group was established. This was welcomed by all members of the TC.

This resulted in Mr John Goss, Chairman chairing the CEN TC436 Drafting Committee and Ms Elizabeth O'Ferrall providing technical support. The 1st meeting of the Drafting Committee took place in October

2018 and a 2nd meeting took place in December of 2018 with good progress being made in drafting work. It is foreseen that a further meeting will take place in February 2019 and that the draft will be mature to send to prEN (enquiry) mid 2019.

5.3 Regulatory Development/Update

Directive 89/391

Directive 98/24/EC

Regulation 216/2008

Regulation 996/2010

6 Work programme for 2019 onwards

It is expected that the draft will be finalised in early 2019 and sent from the CEN/TC436 Drafting Committee to the CEN/TC436 Committee for approval for sending to enquiry stage mid-2019.

Work Item Title and Scope are outlined below:

TITLE:

Cabin air quality on civil aircraft – Chemical agents

SCOPE:

This standard defines requirements and recommendations dealing with the quality of the air on civil aircraft concerning chemical agents potentially originating from, but not limited, to, the ventilation air supplied to the cabin and flight deck.

A special emphasis is on the engine and APU bleed air contaminants potentially brought into the cabin through the air conditioning, pressurization and ventilation systems.

The standard is applicable to civil aircraft in operation from the period that is defined as when the first person boards the aircraft until the last person leaves the aircraft.

The standard defines requirements and recommendations in relation to the presence of, and means to prevent exposure to, chemical agents, including those that could cause adverse effects, taking account of the Precautionary Principle.