

1. Introduction

The In-House Certification Scheme (IHC) is a program to enable builders that meet certain standards, to self-certify sails. The scheme aims to maintain the same standards of fairness guaranteed by traditional control and certification but reducing the time and cost of these activities. World Sailing's goal is to ensure standards and certifications applied worldwide, where sailors can buy certified "ready to race" sails.

Classes allowing the use of IHC certified sails must have their Class Rules in the World Sailing Standard Format and must be measured as per ERS to adhere to the program.

25 WS Classes are involved to date: 420, 470, 505, Cadet, Club Swan 50, Europe, Fareast 28R, Finn, Flying Fifteen, Flying Junior, Fireball, J-70, J-80, J-111, Melges 20, Melges 24, Melges 32, Mirror, Ok Dinghy, Swan 45, Tornado, Vaurien, X-35, X-41, Yngling.

1 Rating System is involved to date: IRC

4 MNAs administer the scheme directly: GBR, JPN, SWE, USA

34 Sail Lofts are licensed to produce In House Certified sails in accordance with the IHC guidelines.

Additional information can be found on the IHC page of the WS website: [link here](#).

2. Administration

The scheme is administrated by *IHC Authorizing Authorities* (AAs) appointed for a country, or a region. An AA may be:

- a) the MNA when it has the wish and the resources to act as AA, or
- b) a *World Sailing delegate organization* based in the country or the region, or
- c) *World Sailing* may act as AA itself.

An AA will report to World Sailing in accordance with the criteria set out in the **IHC Criteria and Responsibility paper (CAR)**. Manufacturers wishing to operate IHC must apply to be licensed and prepare a **IHC Certification System (CS)** to be approved by the AA. The approved Certification System will form the basis of the Certification Control. Each sail loft shall sign in a **IHC License Agreement (LA)** to become an IHC licensed manufacturer.

'IHC Stickers' are used to identify each IHC controlled sail, the unique reference number of each sticker helps to identify where the sail was manufactured and link to the recorded data of the loft. The stickers are sold by World Sailing, managed by the financial department. World Sailing is selling the stickers to AAs and directly to Lofts where World Sailing is the AA.

An Audit Plan is contained within the CS. Audits are used to prove compliance with the requirements set in the CS and to provide training and certificates at the manufacturing sites.

A Starter Pack paper outlines the necessary steps to license new lofts.

3. Relaunching the Scheme

World Sailing extended the license of the currently certified lofts and IHC Authorizing Authorities until 2022, allowing to issue IHC stickers (subject to payment) to the authorized parties.

The Office has appointed a dedicated staff member, Technical Specialist, that is managing the IHC Scheme in consultation with the Equipment Rules Sub-Committee.

Recent Activities

An annual report system has been developed and used to re-engage with all licensed lofts and MNAs.

Training presentation and documents have been updated to cover recent ERS and RRS changes.

Loft agreement template has been updated.

Audits of lofts and MNAs started, and the following has been completed since the 2021 Annual Conference:

ITA:

- 10 December 2021 – WS/FIV remote audit ZM Design Sails
- 23 February 2022 – WS Audit Olympic Sails
- 24 February 2022 – WS sail measurement training course Olympic Sails

UK:

- 02 March 2022 – WS/RYA sail measurement training course Ratsey & Lapthorn
- 03 March 2022 – WS/RYA Audit Batt Sails
- 04 March 2022 – WS Audit RYA
- 08 March 2022 – WS/RYA Audit North Sail

ESP - Palma

- 04 April 2022 – WS Audit North Sails
- 05 April 2022 – WS sail measurement training course North Sails

SRI – CANCELLED due to Crisis and state of emergency

- 30 May 2022 – WS Audit North Sails
- 31 May 2022 – WS sail measurement training course North Sails
- 1 Jun 2022 – WS Audit Durtek Sails
- 2 Jun 2022 – WS sail measurement training course Durtek Sails

PHL:

- 18 July 2022 – WS Audit Hyde Sails
- 19 July 2022 – WS sail measurement training course Hyde Sails

Audit Status and Sticker Sold

Loft	Status	2019	2020	2021	2022 (To date)
North Sails (SRI)	Audit planned for	2500	2700	3200	2500
Durtek Sails (SRI)	Audit planned for	500	250	500	350
Doyle Sails (CHN)	Prior to 2018			50	
UK Halsey (IRL)	Prior to 2018				
UK Halsey (HKG)	Audited: 2018	200	200	200	200
Ullman Sails (RSA)	Audited: 2019				
ZM Design	Audited: 2021				300
Olimpic Sails	Audited: 2022				250
North Sails Palma (ESP)	Audited: 2022	100		100	
Hyde Sails (PHI)	Audited: 2022	350	100	260	200

MNAs	Status	2019	2020	2021	2022 (To date)
SWE (SSF)	Prior to 2018		1000	500	1000
USA (US Sailing)	Audited: 2018	200	200		
JPN	To be audited at Annual Conference	4000	2210	3200	2000
GBR (RYA)	Audited: 2022	1000	1000	1000	1000
ITA (FIV)	License Returned	1000	1000	1000	-930

Interested Lofts		Interested Classes
Aquadynamics (SRI)	Wilfer Sails (HKG)	ORC
North Sails (ESP)	North Sails (NZL)	Etchells
North Sails (ITA)	Rolly Tasker Sails (THA)	Shark24
EuroSails (ITA)		
Doyle (ITA)		

4. Next steps

1. WS will continue to audit the licensed lofts and MNAs. JSAF will be audited during the 2022 Annual Conference and North and Durtek Sails (Sri Lanka) before the end of 2022. Remaining audits will be in 2023.

Additional audits to be scheduled:

- CHN/HKG: UK Halsey & Doyle
 - IRLUK Halsey
 - RSA: Ulman
 - AA: USA (US Sailing) & SWE (SSF)
2. As per the new loft agreement template, the Office will be working on a new AA agreement template.
 3. WS is discussing the possibility to run IOMs' training courses for AA.