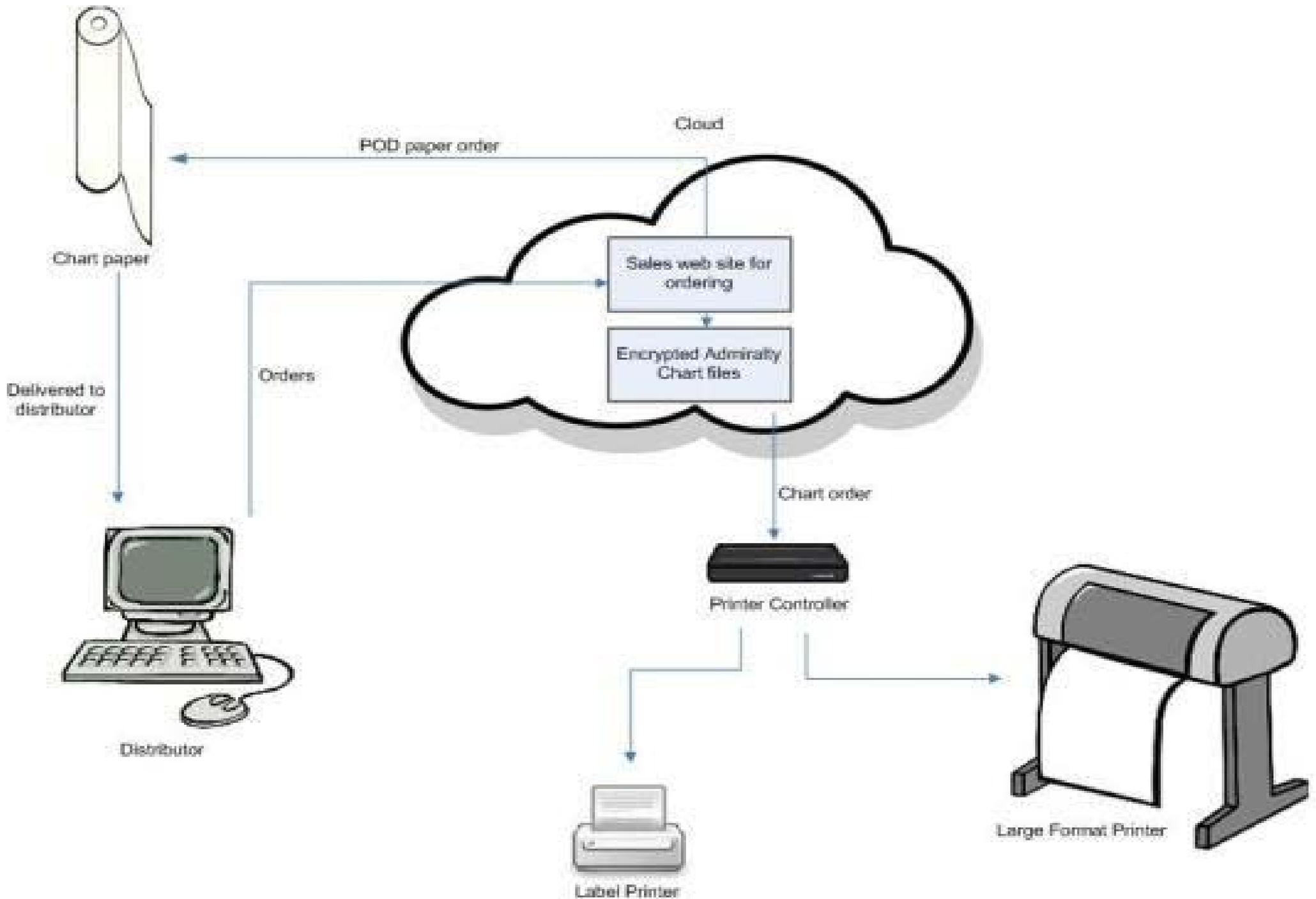


GLOBAL  
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## Partner Guide to Print on Demand (POD)

[www.gnsworldwide.com](http://www.gnsworldwide.com)





## Introduction to Print on Demand

As a Partner of Global Navigation Solutions (GNS) we are delighted to be able to offer you the ability to print up-to-date British Admiralty charts locally at your operating locations worldwide.

‘Print on Demand’ (POD) has been developed by the UKHO and Hewlett Packard (HP) to provide a consistently excellent print quality that can be relied on by navigators worldwide and our Voyager POD purchasing options are the easy way for you to get started.

The terms of Voyager Print on Demand will be between the Partner and GNS, however usage of Print on Demand will fall within the framework created by the UKHO under which GNS is required to ensure partner compliance throughout the length of the agreement.

Over the next few pages we will explain how POD works, how much it will cost to run and maintain and how it can benefit you and your customers.

## How does it work?

It's simple. There are 3 options:

Option 1: Buy direct from your local HP reseller

You can buy your printer directly from any HP authorised reseller with a choice of two printers, the HP Z5200 or the HP Z6200. Once your printer is set up and configured, charts can be printed directly from the UKHO's server using the Global Navigation Solutions' UKHO POD account. And we just invoice you for the charts that are printed in the usual way.

Your Voyager POD solution will need to include the following approved materials:

- HP Z5200 (1) or HPZ6200 (2) Designjet printer
- HP next-day on site parts & labour warranty (HP Care Pack)

Approved Materials & Consumables (not provided by GNS):

- If purchasing the Z5200, a pair of 3 inch HP Core Adaptors must be purchased
- If purchasing the Z6200, a HP designjet Postscript upgrade kit must be purchased
- Dymo Label Printer 450
- Dymo Labels 99014
- Paper Precision Trimmer – 880 mm wide cutting length
- Folding bones
- Printer ink



Provided by GNS:

- Admiralty-approved POD chart paper on which to print your charts (starter pack provided by GNS)
- Remote configuration of POD printer at your operating location (arranged by GNS)
- Print Controller Unit (provided by GNS)
- A hard copy of the colour test print

You will need to comply with the terms and conditions set out by the UKHO for all companies that use POD to print Admiralty charts. That includes being able to demonstrate that you have an HP on site parts and labour warranty (HP Care Pack) in place with a minimum of 3 years coverage. You'll need to buy your own Printer ink and other consumables and pay all carriage costs relating to the Admiralty-approved POD chart paper that we supply to you – although the paper itself is free of charge.

The following fees will be charged by GNS :

- |   |  |
|---|--|
| 1) UKHO Administrative set-up fee:                            | £1,250   |
| 2) Remote POD configuration fee:                              | £425   |
| 3) Print Controller Unit:                                     | No charge  |
| 4) Cost per chart:  | 15% discount on cost of BA Admiralty Paper Chart RRP |
| 5) Freight for delivery of Admiralty-approved POD chart paper |  |

1. Suitable for lower volumes of up to 20 charts per week. Average print time for each chart = 8-9 minutes.
2. Suitable for higher volumes of more than 20 charts per week. Average print time for each chart = 6 minutes.



## **Option 2: Pay in Installments (Complete Pack)**

Our Pay in Instalments option enables you to benefit from Print on Demand technology without the upfront expense that has, up to now, been associated with buying an ADMIRALTY-approved HP Designjet printer.

Simply select the Print on Demand HP printer you want from a choice of two options and spread the cost over 5 years. At the end of the payment period, the printer will be yours.

Please note an administration fee applied by the UKHO of £1,250 will be required in addition to the below monthly instalments.

These figures do not include the HP Care Pack, freight delivery or import charges relating to delivery outside of the UK, and are subject to VAT.

Additionally provided by GNS:

- Admiralty-approved POD chart paper on which to print your charts (starter pack provided by GNS), freight costs not included
- A hard copy of the colour test print

<b>HP Z5200 Designjet Light Production Printer (5)</b>	<b>HP Z6200 Designjet Production Printer (6)</b>
Introductory Ink Cartridges	Introductory Ink Cartridges
Dymo Label Printer 450	Dymo Label Printer 450
Dymo Labels UKHO Specification starter pack	Dymo Labels UKHO Specification starter pack
Paper Precision Trimmer - 880mm wide cutting length	Paper Precision Trimmer - 880mm wide cutting length
Folding bones	Folding bones
Remote POD configuration	Remote POD configuration
UKHO Print Controller Unit	UKHO Print Controller Unit
<b>Payment period: 60 months</b> <b>Price: £81.84 per month (~£2.72 per day)</b>	<b>Payment period: 60 months</b> <b>Price: £143.84 per month (~£4.79 per day)</b>
* (5) Suitable for lower volumes of up to 20 charts per week. Average print time for each chart = 8-9 minutes.	** (6) Suitable for higher volumes of more than 20 charts per week. Average print time for each chart = 6 minutes.

3. All prices are subject to VAT

4. As of August 2015, this cost is £20.74.

5. Suitable for lower volumes of up to 20 charts per week. Average print time for each chart = 8-9 minutes.

6. Suitable for higher volumes of more than 20 charts per week. Average print time for each chart = 6 minutes.



### **Option 3: Buy in one easy payment (Complete Pack)**

Buy your HP Designjet printer from GNS. Choose from one of two printer options to suit you. Our POD Package gives you everything you need to get started. All you'll need to do is buy your HP on site parts and labour warranty in place to cover your machine.

Please note that an administration fee applied by the UKHO of £1,250 will be required in addition to the below.

These figures do not include the HP Care Pack, freight delivery nor import charges relating to delivery outside of the UK and are subject to VAT.

Additionally provided by GNS:

- Admiralty-approved POD chart paper on which to print your charts (starter pack provided by GNS), freight costs not included
- A hard copy of the colour test print

<b>HP Z5200 Designjet Light Production Printer (7)</b>	<b>HP Z6200 Designjet Production Printer (8)</b>
Introductory Ink Cartridges	Introductory Ink Cartridges
Dymo Label Printer 450	Dymo Label Printer 450
Dymo Labels UKHO Specification starter pack	Dymo Labels UKHO Specification starter pack
Paper Precision Trimmer - 880mm wide cutting length	Paper Precision Trimmer - 880mm wide cutting length
Folding bones	Folding bones
Remote POD configuration	Remote POD configuration
UKHO Print Controller Unit	UKHO Print Controller Unit
<b>One off payment: £4,705</b>	<b>One off payment: £8,270</b>
* (7) Suitable for lower volumes of up to 20 charts per week. Average print time for each chart = 8-9 minutes.	** (8) Suitable for higher volumes of more than 20 charts per week. Average print time for each chart = 6 minutes.

7. Suitable for lower volumes of up to 20 charts per week. Average print time for each chart = 8-9 minutes.

8. Suitable for higher volumes of more than 20 charts per week. Average print time for each chart = 6 minutes.

## Printer specification

### Option 1

#### HP Z5200 Designjet Light Production Printer

The HP Designjet Z5200 Photo Printer offers fast printing, dazzling results, and intelligent workflow. Achieve high-impact color and black-and-white prints that last up to 200 years and enjoy colour reliability with HP Professional PANTONE® color emulation and Adobe® PostScript®/PDF support.

Suitable for lower volumes of up to 20 charts per week. Average print time for each chart = 8-9 minutes.



## Option 2

### HP Z6200 Designjet Production Printer

Speed and versatility combine to offer flexibility and power in the HP Designjet Z6200 Photo Production Printer. Expand offerings to high-quality backlit signs, POP displays, roll-up banners, canvases, and more. Generate custom ICC profiles and achieve color accuracy and consistency with the embedded spectrophotometer.

Suitable for higher volumes of more than 20 charts per week. Average print time for each chart = 6 minutes.

Offer the shortest turnaround times and significantly boost productivity

- Turn around orders in record time with this — the fastest printer in its class, and easily meet your client demands with print speeds up to 140 m<sup>2</sup>/hr (1500 feet<sup>2</sup>/hr).
- Print and handle high-quality photo images without losing time.
- Work more productively and comfortably with automated media loading and an ergonomic loading table.



## General Requirements

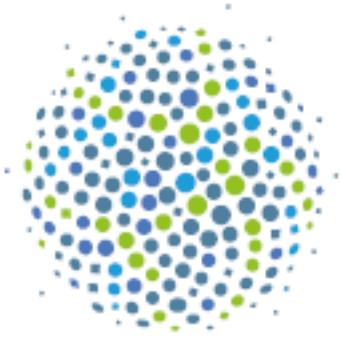
- The POD System shall consist only of approved equipment as advised by UKHO.
- The POD System shall be left switched on and connected to the internet to enable UKHO to access the system remotely for security and auditing purposes at all times.
- POD materials shall only be used in fulfillment of POD orders.
- A constant broadband connection of minimum 2 Mbps with the required monthly capacity to enable constant availability of the POD System will need to be maintained at your expense.
- Adequate space must be made available to house the POD System and approved materials and to enable the folding and trimming of charts produced by the system.
- The POD System is inspected in line with local regulations for the use of electrical equipment in the commercial environment.
- The POD System is maintained and kept in good condition, in line with the manufacturer's guidelines.
- Only approved manufacturer inks are to be used in the printers. Failure to do so will void any warranty for the printer.
- Head cleaning is undertaken in line with manufacturer's guidelines.
- Only Approved Materials are used with the POD system and Approved Materials are only used for the purpose of POD.
- On an ongoing basis, at least 8 weeks' stock of Approved Materials is kept at your location sufficient to cover 8 weeks' forecasted demand.

## Audit Requirements

The continuous quality of all Admiralty products is of paramount importance. To ensure that quality is reflected in POD charts, you will be required to adhere to the following audit procedures set out by the UKHO:

- The UKHO will supply you with a hard copy of the colour test print. All charts and test prints produced using the POD System must be individually quality checked for sharpness, colour, size, banding, missing scan lines and positioning against the master test print
- Prior to commencing POD production for the first time, you must print the colour test and submit this to us to ensure that the print meets the UKHO quality standards.
- A colour test print must be produced and kept on file for every day that the POD system is used and is retained by you for audit purposes. This must be completed for each POD printer and you will not be able to print from a printer which has not had a test print produced and approved.
- The Authorised User checking a test chart shall sign any satisfactory test chart where indicated and confirm via the POD Sales order site web page that the test chart meets the required UKHO Quality standard. The blank label printed with a test chart need not be affixed and may be retained as a “spare”.
- All test prints, together with charts printed using the POD system that are of an unsatisfactory quality when compared with the master colour test print supplied by UKHO, are to be placed in the POD Quality File.

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- UKHO shall have the right to inspect and audit, including remotely auditing the POD system or requesting their representative to inspect and audit your Location and allocated POD System, their production process, POD Chart quality, operations and POD Chart stocks at any time.
  - You will be required to immediately notify the UKHO of any issues causing charts to be of an unacceptable quality or rendering the system unavailable.
  - On a monthly basis, or on request, a colour test print for your approved and installed POD System shall be returned to us at your expense for quality inspection. Failure to submit these test charts may result in access to POD being suspended.
  - Once a week, the system will print a size and colour test instead of the daily colour test. This print will need to be measured for line length accuracy as well as being checked in the normal way for print accuracy.
  - You will have to sign charts they print to ensure they have checked quality to agreed and published standards before release to customers.



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