aircraFt carrier alliance

ACA Document Identifier		Number		Functional Maturity		Version
		CVF-10144954		**FNA**		**04**
Title		**Block Transportation and Ship Assembly**				
Issue Date		**19/04/2012**				
Ship Applicability	Type	Organisation	Area	Perspective	Category	PBS
000	**ACA-ENGR**	**KCU91**	**MS**	**0**	**STD**	**NNNN**

Applicable for review only:

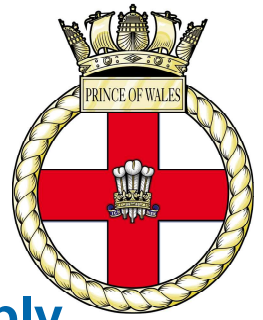| Reviewer	Signature		Print Name	
Review Date	**DD-MM-YYYY**			
	C	**ACCEPTED – NO COMMENTS**		
	R	**ACCEPTED WITH COMMENTS. INCORPORATE COMMENTS AND SUBMIT FOR APPROVAL. WORK MAY PROCEED WITH CAUTION**		
	N	**UNACCEPTABLE – MAJOR COMMENTS. REVISE AND RESUBMIT FOR FURTHER REVIEW. WORK SHALL NOT PROCEED IN THE AFFECTED AREAS UNTIL COMMENTS ARE RESOLVED**		

Amendment History

Version	Issue Date	Reason for Issue	Prepared By	Checked By	Approved By
1.1	20-Jun-11	Created within Windchill	Jagdeep Singh	Andrew Harris	Catherine Thurogood
1.2	20-Jun-11	Frontsheet and Amendment History added	Jagdeep Singh	Andrew Harris	Andrew Harris
1.3	20-Jun-11	Formatting of poster	Jagdeep Singh	Andrew Harris	Andrew Harris
2.1	23-Jun-11	Information on poster updated	Jagdeep Singh	Brian Glennie	Andrew Harris
2.2	30-Jun-11	Frontsheet updated.	Jagdeep Singh	Brian Glennie	Andrew Harris
2.3	30-Jun-11	Frontsheet updated.	Jagdeep Singh	Brian Glennie	Andrew Harris
2.4	30-Jun-11	Amendment history updated.	Jagdeep Singh	Brian Glennie	Andrew Harris
2.5	07-Jul-11	Frontsheet updated.	Jagdeep Singh	Brian Glennie	Andrew Harris
2.6	25-Oct-11	Attributes modified.	Jagdeep Singh	Brian Glennie	Andrew Harris
3.1	25-Oct-11	Frontsheet updated.	Jagdeep Singh	Brian Glennie	Andrew Harris
3.2	25-Oct-11	Block weights updated and Appledore transportation route amended.	Jagdeep Singh	Brian Glennie	Andrew Harris
3.3	25-Oct-11	Frontsheet updated.	Jagdeep Singh	Brian Glennie	Andrew Harris
4.1	19-Apr-12	Delivery Timeline updated and corrected.	Jagdeep Singh	Peer Review	Andrew Harris
4.2	19-Apr-12	Frontsheet and Amendment History updated.	Jagdeep Singh	Peer Review	Andrew Harris
4.3	19-Apr-12	Attributes modified.	Jagdeep Singh	Peer Review	Andrew Harris
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Block Transportation and Ship Assembly

aircraft carrier alliance
Delivering the Nation's Flagships

ROYAL NAVY

HMS Illustrious — 209 Metres
QEC Aircraft Carrier — 284 Metres
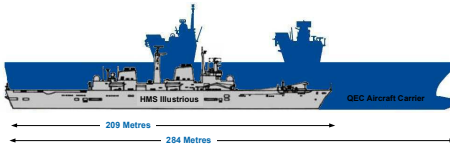
- Largest surface warships to ever enter service with the Royal Navy
- Length: 284m ≈ 90m longer than the existing aircraft carrier.
- Generate enough energy to power 300,000 kettles or 5,500 family homes (a town the size of Swindon).
- 65,000 tonnes at full displacement ≈ over three times the size of the current Invincible Class Aircraft Carriers (CVS).

Goliath Crane Ready for Action at Rosyth

- Crew: Ship's Company of 760 + Embarked Sqns & Staffs ≈ 1600.
- Bulbous bow weighs more than 33 double decker buses
- Keel to Masthead: 56m ≈ 6m taller than Nelson's Column.

Babcock Rosyth
Central Warehouse
BAE Systems Clyde
A&P Tyne
Cammell Laird
Babcock Appledore
BAE Systems Portsmouth

Bow Section Already Docked at Rosyth from Appledore
www.osprexltd.com

Lower Block 02 Build at Portsmouth Dockyard

- Flightdeck: 283m x 69m ≈ approx 3 standard rugby pitches.
- Range: 8,000 to 10,000 nautical miles.
- 1,740km of Fibre Optic cable: enough to link London to Gibraltar.
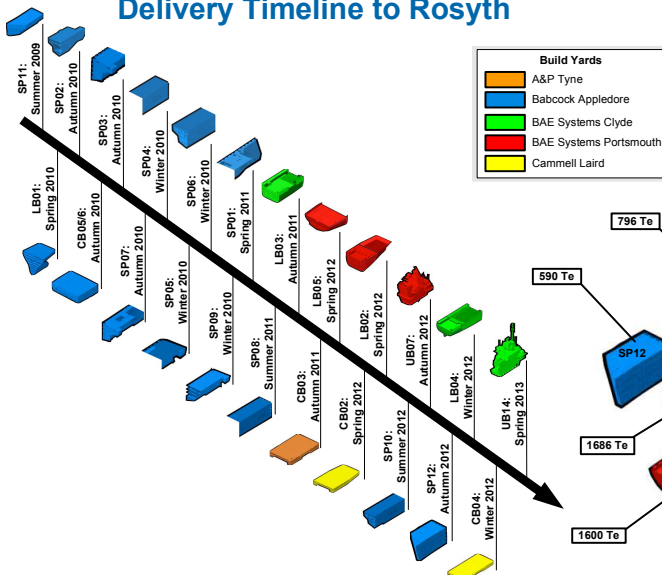
Delivery Timeline to Rosyth

- SP11: Summer 2009
- SP02: Autumn 2010
- SP03: Autumn 2010
- SP04: Winter 2010
- SP06: Winter 2010
- SP01: Spring 2011
- LB01: Spring 2010
- CB05/6: Autumn 2010
- SP07: Autumn 2010
- SP05: Winter 2010
- LB03: Autumn 2011
- LB05: Spring 2012
- SP09: Winter 2010
- SP08: Summer 2011
- LB02: Spring 2012
- UB07: Autumn 2012
- CB03: Autumn 2011
- SP10: Summer 2012
- LB04: Winter 2012
- UB14: Spring 2013
- CB02: Spring 2012
- SP12: Autumn 2012
- CB04: Winter 2012

Tonnage

Build Yards
- A&P Tyne
- Babcock Appledore
- BAE Systems Clyde
- BAE Systems Portsmouth
- Cammell Laird

- 762 Te — SP02
- 3506 Te — CB02
- 2500 Te — SP04
- 4000 Te — LB01
- 526 Te — SP06
- 343 Te
- 5000 Te — LB02a
- 3180 Te — CB03
- 972 Te — SP08
- LB02b
- 796 Te — SP10
- CB04
- LB03
- UB07 — SP01
- 590 Te — SP12
- UB14
- 400 Te — SP03
- 1686 Te — CB05/6
- LB04a
- SP05 — 600 Te
- LB04b
- SP07 — 402 Te
- 1600 Te — LB05
- SP09 — 527 Te
- 11500 Te
- SP11 — 601 Te
- 550 Te
- 400 Te
- 7350 Te
- 560 Te

BAE SYSTEMS babcock THALES
working together to Deliver the Nation's Flagships
CAMMELL LAIRD Lloyd's Register A&P Tyne