

Annex 1 : KR Checklist for Early Implementation of Pilot Transfer Arrangements Requirements

Appendix 1: Checklist for General Requirements of Pilot Transfer Arrangements (for Early Application)

Checklist for General Requirements of Pilot Transfer Arrangements		Yes/No/NA
A. Securing arrangements		
1. Do the strong points for pilot ladders and manropes have a breaking strength of not less than 48 kN, and is documentation of their conformance maintained on board and available for inspection? (paragraph 6.1 of Res.MSC.576(110))		☐ Yes ☐ No ☐ N/A
2. Are the breaking strength or equivalent safe working load limits of all strong points and shackles clearly and permanently marked? (paragraph 6.1 of Res.MSC.576(110))		☐ Yes ☐ No ☐ N/A
3. Are strong points positioned at least 915 mm from the deck edge, or, if not possible, at the maximum distance allowed by the deck width, except for the case of a combination arrangement using an accommodation ladder? (paragraph 6.1 of Res.MSC.576(110))		☐ Yes ☐ No ☐ N/A
4. Are dedicated strong points for the pilot ladder and manropes provided? (paragraphs 12 and 15.1.1.3 of resolution MSC.576(110))		☐ Yes ☐ No ☐ N/A
B. Access to the ship's deck		
5. At the point of access to the deck, are the handholds of 32–36 mm in diameter, spaced 0.7–0.8 m apart, extending at least 1.2 m in height? (paragraph 8 of Res.MSC.576(110))		☐ Yes ☐ No ☐ N/A
6. Are handholds rigidly secured and locked to the ship's structure at or near its base and also to the ship at a higher point, and positioned within 0.12 m inboard of the deck edge?(paragraph 8 of Res.MSC.576(110))		☐ Yes ☐ No ☐ N/A
7. Are eyes (rings) with an inner diameter of not less than 60 mm provided at the upper end of the stanchions to accommodate the manropes? (paragraph 8 of Res.MSC.576(110))		☐ Yes ☐ No ☐ N/A
C. Protection from chafing		
8. Are the contact points of the pilot ladder or manropes with the ship's hull or associated fixtures rounded to minimize chafing? (paragraph 9 of Res.MSC.576(110))		☐ Yes ☐ No ☐ N/A
D. Safe approach of the pilot boat		
9. Where rubbing bands or other constructional features prevent the safe approach of the pilot boat, are they cut back to provide at least 6 m of unobstructed ship's side?(paragraph 10 of Res.MSC.576(110))		☐ Yes ☐ No ☐ N/A
E. Pilot ladder and illumination		
10. Is the pilot ladder located clear of any possible discharge from the ship and capable of being rigged vertically, free and without obstruction? (paragraph 12.1 of Res. MSC.576(110))		☐ Yes ☐ No ☐ N/A
11. Is the pilot ladder located within the parallel body length of the ship and within the midship half-length of the ship? (paragraph 12.2 of Res.MSC.576(110))		☐ Yes ☐ No ☐ N/A
12. Are fixed or portable lights provided to illuminate the pilot transfer arrangements overside and the deck position where pilots and other personnel embark or disembark, and do portable lights, when used, have brackets to permit their positioning? (paragraph 11 of SOLAS Reg.V/23)		☐ Yes ☐ No ☐ N/A

Appendix 2: Checklist for Pilot ladder winch reels (for Early Application)

Checklist for Pilot ladder winch reels (If installed)	Yes/No/NA
1. Is the winch drum at least 0.16 m in diameter and fitted with sunken securing points? (Paragraph 16 of resolution MSC.576(110))	☐ Yes ☐ No ☐ N/A
2. Is the point of access and its adjacent area kept clear of obstructions, including the pilot ladder winch reel, with a clear space of at least 915 mm in longitudinal width, 915 mm in depth measured inboard from the ship's side plating, and 2,200 mm in height measured vertically from the access deck? (paragraph 17.2 of Res. MSC.576(110))	☐ Yes ☐ No ☐ N/A
3. Are securing points for the pilot ladder provided independently of the winch reel? (Paragraph 20.2 of resolution MSC.576(110))	☐ Yes ☐ No ☐ N/A
4. Are pilot ladder winch reels provided with means to prevent accidental operation resulting from mechanical failure or human error? (Paragraph 21.1 of resolution MSC.576(110))	☐ Yes ☐ No ☐ N/A
5. If the installation is fitted with a powered winch reel, a. Is a safety device provided to cut off the power supply to the winch reel and thus lock the winch reel in position? (Paragraph 21.4 of resolution MSC.576(110)) b. Are the control levers or handles clearly marked and capable of being locked in the neutral position? (Paragraph 21.5 of resolution MSC.576(110))	☐ Yes ☐ No ☐ N/A ☐ Yes ☐ No ☐ N/A
6. If the pilot ladder winch reel is manually operated, is a brake or other suitable arrangement provided to control the lowering of the pilot ladder and to lock the winch reel in position once the ladder has been lowered to its operational position? (Paragraph 21.3 of resolution MSC.576(110))	☐ Yes ☐ No ☐ N/A
7. If a winch reel is installed inside the ship's side opening, a. Is the winch reel installed in a position that provides an unobstructed space of at least 915 mm in width, 915 mm in depth and 2,200 mm in vertical height? (Paragraph 18.2.2 of resolution MSC.576(110)) b. Where a section of the pilot ladder is required to be partially secured horizontally on deck to provide clear access, can that section be covered by a rigid platform extending at least 915 mm horizontally inboard from the ship's side? (Paragraph 18.2.3 of resolution MSC.576(110))	☐ Yes ☐ No ☐ N/A ☐ Yes ☐ No ☐ N/A

Appendix 3: Checklist for Combination Arrangements and Trapdoors (for Early Application)

Checklist for Combination Arrangements and Trapdoors (If installed)	Yes/No/NA
A. Combination arrangements(if installed)	
1. Is the accommodation ladder hoisting and lowering mechanism provided with protection to ensure that it cannot be inadvertently operated during the transfer of pilots and other personnel? (paragraph 5.1 of Res.MSC.576(110))	☐ Yes ☐ No ☐ N/A
2. Is the accommodation ladder of sufficient length to ensure that its angle of slope does not exceed 45° and is the accommodation ladder at least 600 mm in width? (paragraph 5.1 of Res.MSC.576(110))	☐ Yes ☐ No ☐ N/A
3. Is a two-tone visual mark (white upper half/red lower half), at least 4 m in height and 0.5 m in width, provided near the pilot boarding position on the midship half-length to indicate whether a combination arrangement is to be rigged, and is the dividing line between the upper and lower halves of the mark located 9 m below the point of access? (paragraph 5.6 of Res.MSC.576(110))	☐ Yes ☐ No ☐ N/A
4. If removable means are used for securing for combination arrangement and pilot ladder or manropes, do they have a holding force of at least 4 kN when used for the lower platform of an accommodation ladder, and at least 3 kN when used for securing the pilot ladder or manropes? (paragraph 6.2 of Res.MSC.576(110))	☐ Yes ☐ No ☐ N/A
5. Is the lower platform of the accommodation ladder at least 5 m above the surface of the water in all seagoing conditions of draught and trim? (paragraph 13.1.4 of Res.MSC.576(110))	☐ Yes ☐ No ☐ N/A
B. Trapdoor Arrangements (if installed)	
6. In the case where a trapdoor is used, does the lower platform comply with the following requirements? a. Is the horizontal distance between the pilot ladder and the adjacent edges of the aperture between 0.1 m and 0.2 m? (paragraph 5.5.1 of Res.MSC.576(110)) b. Is the highest step of the pilot ladder positioned at least 2 meters above the platform? (paragraph 5.5.2.4 of Res.MSC.576(110)) c. Are round handholds (28–32 mm in diameter) provided to allow safe mounting or dismounting of the pilot ladder, without relying on the platform structure? (paragraph 5.5.5 of Res.MSC.576(110)) d. Are handholds provided with a height of at least 1.2 meters above the platform? (paragraph 5.5.6 of Res.MSC.576(110))	☐ Yes ☐ No ☐ N/A ☐ Yes ☐ No ☐ N/A ☐ Yes ☐ No ☐ N/A ☐ Yes ☐ No ☐ N/A
7. In the case where a structural frame is used for a trapdoor arrangement, are the following requirements met? a. Are the accommodation ladder platform, frame, pilot ladder connection points, accommodation ladder winch, running gear, pad eyes for manropes, and locking arrangements designed to withstand vertical forces of at least 48 kN? (paragraph 5.5.7.1 of Res.MSC.576(110)) b. Is the highest step of the pilot ladder at least 2 m above the platform and secured to pad eyes on the inboard side of the frame, so that it rests firmly against the ship's side? (paragraph 5.5.7.2 of Res.MSC.576(110)) c. Are the manropes secured directly to additional pad eyes located 2 m above the platform on the inboard side of the frame? (paragraph 5.5.7.3 of Res.MSC.576(110))	☐ Yes ☐ No ☐ N/A ☐ Yes ☐ No ☐ N/A ☐ Yes ☐ No ☐ N/A

Appendix 4: Checklist for Ship-Side Openings, Doors and Platforms (for Early Application)

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