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| **BWTS CLAIM REPORT** |
| **Subject** | **TRO low concentration alarm & trip** |
| **Vessel information** |
| **Vessel name** | **XXXXXXX XXXXXXX** | **IMO No.** | **9999999** | **Hull No.** | **0000** |
| **Schedule****of Vessel** | **1. PUS / 20200910 → 2. SIG / 20200922 → 3. HUK / 20201008** | **Owner** | **HMM** |
| **ECS Software information** |
| **HMI ver.** | 01.09.11 / 2020.09.01 | **TSU ver.** | 2.36 / 2020.09.01 | **ANU ver.** | 2.34 / 2020.09.01 |
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| **ECS Operation availability and Claim Detail** |
| **Ballasting** | **possible** | **De-ballasting** | **impossible** | **Stripping** | **N/A** |
| Ex) 2021.month.day. during ECS Ballast/De-ballast/Stripping Run OR ECS Stop \_\_\_\_\_ Alarm/Trip occurred or \_\_\_\_\_ was defective.1.2.3.4.5.……………per each claim  |
| 1. **Photo of HOME screen(ECS Stop & Running condition)**
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| **Photo of HMI HOME screen before system running*** Clear photo should be attached to check the operation position of ECS, sensor’s condition, ECS’ current status.
* The photo of Remote CPC & Local CPC HMI HOME screen is necessary.
 | **Photo of HMI HOME screen after system running**- Clear photo should be attached to check the operation condition of each equipment during ECS operation (Ballast, Deballast).1. The photo of HMI HOME screen during ECS Ballast operation2. The photo of HMI HOME screen during ECS De-ballast operation |
| 1. **Photo of ADMIN screen(PassWord : 3500) or Unit Disable screen PassWord : 1234)**
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| 1. To check equipment’s setting value including TRO Feedback Count, Target TRO, ANU Max discharge amount etc.
2. To check TRO Bypass Time

Ship operator is asked to change the setting value of ECS operation to suit the vessel’s actual operation condition for a proper ECS operation frequently since the operation condition set during commissioning is different from the actual operation while the vessel is in operation.(TSU bypass time, ANU max injection time, Tank TRO) |
| 1. **Photo of ABNORMAL screen**
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| **Alarm statements of top message on HMI**To check all Alarm/Trip message and alarm code listed in HMI* The photo before alarm reset should be attached.

To check HMI Alarm Inhibit list |
| 1. **Photo of COMM screen(ECS Stop & Running condition)**
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| **Photo of HMI COMM screen before system running****To check communication status per each equipment** HMI COMM screen of CPC selected by Operation mode | **Photo of HMI COMM screen after system running****To check ECU communication status after ECS running** HMI COMM screen of CPC during ECS Ballast operation |
| 1. **Photo of Malfunction Equipments(Status : Local side & HMI detail)**
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| To check the current status of equipment malfunctioningEx) the photo of display at Sensors, the photo of subject equipment installed in local etc. | To check detailed operation information about each equipment during ECS operation on HMI Detail(STATUS) screenEx) Photos indicating the condition of the equipment malfunctioning during ECS Running on HMI Detail(STATUS) screen  |
| **Attachment** |
| 1. ECS LOG file should be necessarily attached. (from : Last ECS operation prior to the date problem occurred ), to (Date the problem occurred) |
| 2. ECS file(BINSETUP) should be attached.(If the capacity of Backup file is too big, please send each folder separately.) |
| **Remark**  |
| **Other photo for Malfunction Equipment**1. **HMI Program version (To check the latest version applied to the vessel)**
2. **All TSU Program version (To check the latest version applied to the vessel)**
3. **All ANU Program version (To check the latest version applied to the vessel)**
4. **Additional photo**
5. **The photo inspected by crews.**
6. **Any other photos.**
7. **Inquiry**
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