

# Hyundai Recall Campaign 271

## Attachment A: Technical Analysis Leading Up to Decision

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### ❖ February - November 2024

- From February through July 2024, NASO performed replication testing of the subject rearview camera system in support of an ongoing investigation into allegations of intermittent, distorted, or inoperative rearview camera images from owners.
- From July to October 2024, NASO reviewed the test results and continued discussion with HMC on potential causalities. From the investigation, multiple camera assemblies were identified as defective due to a “black” or “white” image, or undetected signal. Information provided by HMC identified a potential issue with the camera’s PCB, on which the solder joints securing the integrated signal processor showed signs of damage occurring during manufacturing. Based on these findings, NASO convened its North American Safety Decision Authority on November 13, 2024, and determined that the subject condition would result in a failure of the requirements and test condition(s) specified in FMVSS No. 111, “Rear Visibility,” requiring a new noncompliance recall of all affected Hyundai Santa Fe and Elantra vehicles in the U.S. and other affected North American market(s).