

SUBJECT: JG-PP Portable Laser Coating Removal System (PLCRS) Teleconference,
16 Jan 03

SUMMARY: After taking roll call, Mr. Mongelli gave a status update on the project. The first group of panels has been completed and all the laser systems have progressed. The group came to a consensus to go to a 3mil coating thickness on remainder of panels. The laser team will go to Hill AFB to hold demonstration for the Center Working Group (CWG) in February. The next teleconference will be held while they are at Hill AFB.

MINUTES:

1. Mr. Mongelli began the teleconference by taking roll call. A list of attendees is attached. Jerry explained that the intent of this teleconference was to give a status update on the project.
2. Mr. Mongelli began by stating they were making progress. They have stripped all 30 of the mechanical and metallic panels using the SLCR for its first round of stripping. Some of those panels were sent to AFRL for the testing results. They have completed cleaning the 30 mechanical panels for the Cleanlaser system. A random sample of those panels has been sent to AFRL for x-ray refraction to ensure we haven't done any damage to the alloys. The Quantel laser system has been used to strip 10 panels. Jerry and Randy have helped optimize the Cleanlaser and Quantel systems which have different mechanisms. The Cleanlaser has a raster mechanism, it strips about a 50mm path and it has been taken down to 45mm. The Quantel strips a small spot of about 3mmX3mm. They are putting about 2.4 jules per centimeter square power and it takes longer to strip coatings.
3. The next paint session starts 27 Jan 03. During those 2 weeks, the team will be working on specialty coatings. Dick Buchi was told to call Mr. Brad Larson who is supplying the F16 antennas to let him know a fixture has been made for the antenna. The team will bring the jig to Hill AFB during the visit in February.
4. Mary Hayes and Stefan Susta are working on the Safety Plan for using these type laser systems. They are working the safety issues on bringing the laser systems to Hill AFB. They have talked with Hill's Bioenvironmental Engineers and are trying to identify the Laser Safety officer. Ken Patterson informed Mary there is an LSO, and he and Ken have been communicating via email. Mary told him they need to have all safety issues covered in writing. It was suggested that Ken send Mary the email identifying the LSO. For the overall laser safety issues, Mary and Stefan are looking at ANSI and AFOSH standards. They are working closely with the Bioenvironmental and Safety representatives at HQ AFMC and Brooks AFB. It has yet to be determined, but they may need exemptions from Brooks AFB because this is a new technology. These actions are running in parallel with the optimization of the laser systems.

5. A representative of FLASHTECH visited AFRL labs. He was basically looking for a supplemental system for FLASHJET to conduct small area clean up. AFRL gave him a demonstration of the laser systems they have on hand. He liked the hand-held laser system concept. AFRL gave him the representatives' names of the laser companies with hopes that FLASHTECH will want to partner up which would be good for all of DoD.
6. Mr. Mongelli asked that everyone look at their calendars so another stakeholders meeting can be scheduled sometime either during the summer or the fall, maybe September timeframe. It will be open to the same audience. Jerry asked if they would want some laser vendors come in to brief. The consensus was yes, as long as a time limit is set for their briefings.
7. Mr. Mongelli announced they were at the point in the JTP where the decision has to be made whether to stay at 6 mils coating thickness or to go to 3 mils. He then gave the general removal rates for the 6 mils coatings: The Quantel system is removing coatings in 17 minutes, Cleanlaser in 5-6 minutes, and SLCR in 7 minutes. This removal is from a 6"X6" area. Everyone agreed to the second set of panels being coated up to 3 mils thickness.
8. The floor was opened for discussion. Overall, attendees were satisfied with update information. Jerry announced that the next teleconference would be held during February while the group is at Hill AFB. They will be there for a presentation to the Center Working Group (CWG).

//Original approved/signed, 30 Jan 03//
Debra Meredith
Chief, Logistics Environmental Office

Attachment:
List of attendees