

Appendix A Overwrite All Data Function (HDD Sanitization)

At the 'End of Life' or 'End of Lease' when the MFP is to be discarded the Overwrite All Data function overwrites and erases all data stored in all spaces of the HDD. This function also resets all passwords back to factory default settings, preventing any leakage of data.

The HDD Overwrite Methods include the choice of eight different modes, [Mode 1] through [Mode 8] each Mode corresponding with a specific Government Standard.

Overwrite All Data takes less than one hour in [Mode 1] at the minimum and approximately 9 hours in [Mode 8] at the maximum.

Mode	Description
Mode 1	Overwrites once with 0x00. Japan Electronic & Information Technology Association Russian Standard (GOST)
Mode 2	Overwrites with random numbers random numbers 0x00. Current National Security Agency (NSA)
Mode 3	Overwrites with 0x00 0xff random numbers verifies. National Computer Security Center (NCSC-TG-025) US Navy (NAVSO P-5239-26) Department of Defense (DoD 5220.22M)
Mode 4	Overwrites with random numbers 0x00 0xff. Army Regulations (AR380-19)
Mode 5	Overwrites with 0x00 0xff 0x00 0xff. Former NSA Standard
Mode 6	Overwrites with 0x00 0xff 0x00 0xff 0x00 0xff random numbers. NATO Standard
Mode 7	Overwrites with 0x00 0xff 0x00 0xff 0x00 0xff 0xaa. German Standard (VISTR)
Mode 8	Overwrites with 0x00 0xff 0x00 0xff 0x00 0xff 0xaa verifies. US Air Force (AFSSI5020)