Action Items and Projects	Primary Agency	Support Agency	Progress	Status
I. Goal: *Build Incentives for Design of Greener Electronics, and Enhance Science, Research and Technology Development in the United States*				
I.1 Action Item : Establish multi-stakeholder groups to address key research questions and design challenges, and accelerate development of and investment in green electronics design standards.				
I.1.1 EPA, in cooperation with GSA, will support convening of multi-stakeholder groups, including electronic product designers, refurbishers, recyclers, NGOs, and academic and other technical experts to address those and other challenges.	EPA	GSA	Complete	EPA convened a multi-stakeholder group, Sustainable Electronic Forum to address key research questions and design challenges, and accelerate development of and investment in green electronics standards. The Forum developed a vision and technology roadmap for sustainable information and communication technologies that will help EPA protect human health and the environment while minimizing any adverse life-cycle impacts of the devices, infrastructure and services.
I.2 Action Item : Promote consumer purchasing of green electronics that are certified as meeting stringent environmental performance criteria that address environmental impacts across the products' entire lifecycle.				
I.2.1 EPA will initiate an outreach program to encourage purchasing of green electronics by private consumers. 1.2.2 EPA will encourage consumer procurement of products that are Electronic Product Environmental Assessment Tool (EPEAT) registered. I.2.3 EPA will launch a Greener Products Website to help consumers more easily find information on greener products.	EPA	—	Complete	EPA has combined 1.2.1, 1.2.2 and 1.2.3 and has launched the greener products website in 2011 and continues to maintain the website, which links to information on EPEAT-registered products. www.epa.gov/greenerproducts EPA conducted a series of trainings on EPEAT for federal purchasers, including a Federal Acquisition Institute Live webinar called "It's Easy Being Green". All training slides have been posted on the EPA EPEAT portal page at: www.epa.gov/epeat/
I.3 Action Item : Promote scientific research and technological developments that improve our ability to recover and market valuable materials from used electronics, especially precious metals and rare earth elements.				
I.3.1 EPA will lead an interagency effort to explore and develop a set of recommendations for identifying and addressing market, financial, and regulatory barriers to investment in domestic material recovery from used electronics.	EPA	DoD, DOE, DOI/ USGS FESWG, SAMM	Under re-evaluation	NSES Taskforce will consider a new path forward that could include federal and/or non-federal stakeholders.
I.3.2 EPA will support research into the toxicology, exposure pathways, and recovery methodologies of the rare earth elements (and their compounds) used in electronics and during their recycling, remanufacturing and disposal.	EPA	CDC/ NIOSH	1. Complete 2. Complete	EPA/NIOSH are partnering in the evaluation of occupational health and safety in the electronic waste recycling industry. Conducted telephone survey of 47 facilities and detailed hazard evaluation of 3 sites. 1. Final report on results from the survey released June 11, 2014. http://www.cdc.gov/niosh/hhe/reports/pdfs/e-scrap_survey_report.pdf (2) Final report on the evaluation of recycler facilities released July 18, 2014. http://www.cdc.gov/niosh/hhe/reports/pdfs/e-scrap_survey_report.pdf
I.3.3 EPA will support research into the toxicology, exposure pathways, and recovery methodologies of the rare earth elements (and their compounds) used in electronics and during their recycling, remanufacturing and disposal.	EPA	—	Ongoing	EPA is developing projects to support research efforts into the toxicology, exposure pathways, and recovery methodologies of the rare earth elements (and their compounds) used in electronics and during their recycling, remanufacturing and disposal. EPA released a report on rare earth elements entitled: Rare Earth Elements: A Review of Production, Processing, Recycling, and Associated Environmental Issues (December 2012). This report summarizes the available information on rare earth elements and can be considered a starting point for future investigations. http://nepis.epa.gov/Adobe/PDF/P100EUBC.pdf EPA has awarded Small Business Innovation Research (SBIR) contracts to two small businesses to develop technologies to recycle/ recover rare earth elements from used electronics and industrial scrap. 1. National Recovery Technologies was awarded a Phase II project in 2014. http://cfpub.epa.gov/ncer_abstracts/index.cfm/fuseaction/display.abstractDetail/abstract/10419/report/0 2. Electron Energy Corporation is now in its second year of its Phase 2 Project. http://cfpub.epa.gov/ncer_abstracts/index.cfm/fuseaction/display.abstractDetail/abstract/10032/report/0

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Action Items and Projects	Primary Agency	Support Agency	Progress	Status
I.4 Action Item : Launch Electronics Stewardship prize competitions to stimulate innovations in green product design, recycling solutions, and other phases of the electronics lifecycle.				
I.4.1 EPA, in cooperation with GSA, CEQ, OSTP and relevant agencies, will launch the development of a series of prize competitions and leverage private sector and philanthropic support for awards, to spur innovations in technology and design to be applied across the lifecycle of electronics.	EPA	GSA, CEQ, OSTP	Complete	In May 2012, the prize competition "Electronics Molecular Bill of Materials Open Innovation Challenge" was concluded; discussions ongoing to carry innovative ideas forward. On June 12, 2012, EPA, Department of State (DOS) and OpenIDEO launched an e-waste challenge at the Rio+20 UN Conference on Sustainable Development to offer solutions to the global e-waste problem. Winners were announced in September 2012.
1.4.2 EPA, GSA, CEQ and OSTP will, as part of developing these competitions, coordinate with other agencies to initiate the solicitation of public comments on how to most effectively target limited prize resources toward the highest-impact challenges.	EPA	GSA, CEQ, OSTP	Complete	EPA has designated a Challenge Coordinator to work with other Agencies.
I.5 Action Item : Ensure expansion of quality green electronics certification programs, including EPEAT, to consider environmental impacts across entire product lifecycles and to cover additional types of electronics.				
I.5.1 EPA will support and engage development of new standards addressing products not covered by EPEAT, and include stakeholder input into standards development.	EPA	GSA	1. Complete 2. Complete 3. Complete 4. Complete 5. Ongoing	1. IEEE environmental performance standards for imaging equipment and televisions were finalized, and products meeting standards have been added to the EPEAT Product Registry. http://ww2.epeat.net/searchoptions.aspx 2. Guidance directing federal agencies to procure products meeting these standards was issued in May of 2013 and federal agencies are now required to procure products meeting these standards. 3. On June 24, 2014 DOD, GSA and NASA issued an interim rule amending the Federal Acquisition Regulations to clarify the requirements for Federal Agencies to procure EPEAT registered imagining equipment and televisions. 4. On September 10th, the scope of Energy Star and thus EPEAT products covered expanded to include slates/tablets, two in one notebooks, and all in one devices. On October 31st a memo was issued to all federal agencies letting them know of this change. 5. Development of environmental performance standards for servers and mobile devices is underway as is an update of the environmental performance standard for the existing standard for computers/monitors. EPA, GSA, DOD, DOE and other agencies are engaged in providing technical expertise to these standard development activities and EPA is providing funding for facilitation of the one of these standards activities.
1.5.2 GSA will join the EPEAT standard development process to represent the interests of the Federal Government as a consumer.	GSA	EPA	Complete	GSA joined the EPEAT standard development process to represent the interests of the Federal Government as a consumer. GSA also served on the EPEAT Advisory Council for three years and continues to collaborate with EPA and the Green Electronics Council with respect to implementation of the EPEAT registry.
1.5.3 GSA and EPA will identify any additional standards and eco-labels to include in expanded green electronics certification programs, and additional programs in which Federal participation should be considered.	GSA, EPA	—	Complete (?)	In response to more than 75 public comments received between November 2013 and April 2014, EPA has revised draft guidelines and will be testing an approach to assessing and recognizing standards and ecolabels for federal environmentally preferable purchasing. EPA has chosen the following three product categories to pilot in 2015 –building paints/coatings/removers, building flooring, and furniture. If funds allow, an additional, yet to be determined product category may be included in the pilot. In addition, due to significant interest, EPA will explore the potential for the Guidelines to apply to service sector standards and ecolabels (e.g., services related to building maintenance, cafeterias, and professional consultants, among others). For more information, please visit: http://www.epa.gov/epp/draftGuidelines.

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Action Items and Projects	Primary Agency	Support Agency	Progress	Status
II. Goal: Ensure that the Federal Government Leads By Example				
II.1 Action Item : Establish a comprehensive and transparent government-wide policy on used Federal electronics that maximizes reuse, clears data and information stored on used equipment, and ensures that all Federal electronics are processed by certified recyclers.				
II.1.1 GSA will issue, through interagency collaboration and with public input, a revised Federal Electronics Stewardship Policy to bring Federal management of used electronics in line with current best practices.	GSA	—	Ongoing	Federal Management Regulation (FMR) Bulletin B-34 was issued by GSA on February 29, 2012, to bring Federal management of used electronics in line with current best practices. A proposed rule revision to FMR 102-36 was released for public comment on 3/6/14, and the comment period closed 5/5/14. The target date for the draft Final Rule being available for review and interagency comment is 12/31/15.
II.1.2 GSA will propose revisions to the relevant sections of the Federal Management Regulation, in addition to revisions already pending to the Federal Acquisition Regulations, and related guidance documents.	GSA	—	Ongoing	Revisions will be to FMR 102-36. the proposed rule to revise FMR 102-36 was released for comment on 3/6/14. Policy direction was published as part of Bulletin B-34. The target Date for the Final Rule to be available for review and interagency comment is 12/31/15.
II.1.3 EPA, in consultation with and support from GSA and other relevant departments and agencies, will develop a set of environmental criteria to be included, at a minimum, in accredited electronics recycling standards that are to be used in managing the Federal government's used electronics.	EPA	GSA CEQ DOL NIST	Ongoing	EPA held a listening sessions with relevant stakeholders to garner input on the environmental aspects of potential criteria - June 2012. Work continues to finalize a develop a set of baseline environmental criteria. DOL and NIST will be providing information and expertise to GSA in the areas of worker health and safety and data security to include in the baseline set of criteria. For GSA Office of Governmentwide Property (OGP), input from this EPA activity will help inform future policies regarding use of recycling standards. GSA requested public comment on what aspects should be considered in the criteria. Once completed, GSA will make these criteria publically available.
II.1.4 EPA, in collaboration with GSA, will investigate with the applicable accreditation board the need to initiate a study of the implementation of the current accredited used electronics certification programs.	EPA	—	Ongoing	EPA is conducting a study to determine if the available accredited electronics recycling certification programs (the Responsible Recycling (R2) and e-Stewards programs) are being implemented in a transparent, consistent and reliable fashion and are achieving the desired results. The study will identify areas of strength in the implementation process, and if appropriate make recommendations for improvement. As of November 2014, the last phases of the study are underway. Anticipated completion date is Summer 2015.
II.1.5 GSA will consider the published criteria, the results of the implementation study, and other requirements and considerations when determining which certification programs satisfy agencies' requirements to use certified recyclers under the revised Federal Electronics Stewardship Policy.	GSA	—	Ongoing	In the proposed rule revision to FMR 102-36, GSA specifically requested comments regarding (1) the suitability and feasibility of bulk sale of functional Federal Electronic Assets (FEA) to certified recyclers only through public auction programs (not the general public as drafted in this proposed rule); (2) restricting disposal of FEA in landfills or through incineration; (3) what electronics recycling standards are in use or being developed; and (4) criteria regarding the technical content and other aspects of the electronics recycling standards that recyclers conform to in order to be considered "certified recyclers " eligible to process FEA. The target date for the Final Rule being drafted and available for interagency comment is 12/31/15. The publication of the Final Rule will follow the submission by our partner agencies their recommended recycling criteria, the publication and public comment of these criteria, and the NSES task force adjudication of public comments on the Federal criteria.
II.2 Action Item : Encourage electronics manufacturers to expand their product take-back programs, and use certified recyclers as a minimum standard in those programs, by expanding the use of manufacturer take-back agreements in Federal electronics purchase, rental and service contracts.				
II.2.1 GSA will begin to pilot the use of manufacturer take-back agreements in additional electronic product categories through purchases it makes for GSA operations and changes to its internal purchasing policies.	GSA	—	Ongoing	Federal Acquisition Service (FAS) included a take-back option in the Federal Strategic Sourcing Initiative (FSSI) Print Management. Vendors in this program must be vendors from whom we initially purchased equipment.
II.2.2 GSA will develop the take-back agreements guidance through interagency collaboration and with public input.	GSA	—	Ongoing	GSA developed draft guidance, shared it with the Federal Electronics Stewardship Working Group for comment, and is reviewing the comments. The next draft will be completed by mid-March 2015.
II.3 Action Item : Require and enable recipients of former Federal equipment that has been sold, transferred, or donated for reuse to use certified recyclers and follow other environmentally sound practices, to the maximum extent practicable.				
II.3.1 GSA, in coordination with EPA, DoD, and others as appropriate, will issue guidance to Federal agencies on how to incorporate requirements for sound disposition practices, including the use of certified recyclers, into the agreements signed by recipients of sold, donated, or transferred Federal used electronics.	GSA	EPA, DoD	Complete.	GSA included in FMR Bulletin B-34 guidance to Federal agencies on how to incorporate requirements for sound disposition practices, including the use of certified recyclers, into the agreements signed by recipients of sold, donated, or transferred Federal used electronics.
II.3.2 GSA, EPA, and DoD will develop educational materials for those recipients of Federal used electronics so they understand their obligations and how to fulfill them.	GSA	EPA, DoD	Ongoing	GSA will incorporate e-waste handling information in disposal training to be developed pending policy approval/issuance. A training plan is in place and takes effect once the provisions of the final policy are determined and published. Timeline: Finalized training points 90 days after publication of Final Rule FMR 102-36.

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Action Items and Projects	Primary Agency	Support Agency	Progress	Status
II. 4 Action Item : Improve tracking of used Federal electronics throughout the lifecycle and post comprehensive data sets on Data.gov and other publicly accessible websites.				
II.4.1 GSA will issue revised property disposition reporting guidance to Federal agencies that streamlines all reporting mechanisms under the annual Report of Non-Federal Recipients.	GSA	—	Complete	GSA issued in FMR Bulletin B-34 revised property disposition reporting guidance to Federal agencies that consolidates reporting mechanisms for disposal of FEA under the annual Report of Non-Federal Recipients.
II.4.2 GSA will develop tools which agencies can use to adapt their internal tracking systems.	GSA	—	Complete	GSA developed the Agency Asset Management System (AAMS) which can assist agencies in screening and redistibution of used electronics within their agency.
II.4.3 GSA will propose revisions to the relevant sections of the Federal Management Regulation.	GSA	—	Ongoing	Federal Management Regulation (FMR) Bulletin B-34 was issued by GSA on February 29, 2012, to bring Federal management of used electronics in line with current best practices. The proposed rule revision to FMR 102-36 was released for public comment on 3/6/14, with a 60-day comment period that closed 5/5/14. The target date for the draft of the Final Rule being available for review and interagency comment is 12/31/15.
II.4.4 GSA will post data annually on Data.gov.	GSA	—	Ongoing	Disposal data gathered under the new policy and reporting system will be available after a baseline is established in FY2015, after reporting requirements are finalized with publication of Final Rule FMR 102-36. Target Date: FY 2016 publish on Data.gov.
II.4.5 The Federal Electronics Stewardship Working Group will recommend metrics and other reporting tools to measure agencies' progress in implementing the revised Federal Electronics Stewardship Policy to CEQ.	OFEE	FESWG	Ongoing	OFEE will consider adding elements to the guidance for annual Strategic Sustainability Performance Plans to reflect responsibilities under the National Strategy and reporting on those projects covered by Executive Order 13514, Federal Leadership in Environmental, Energy, and Economic Performance.
II.4.6 GSA will coordinate with EPA, DoD, and other agencies to determine the most cost-effective level of detail at which to track Federal electronics, and the appropriate exceptions to protect the security of equipment used for national security purposes.	GSA	EPA, DoD	Ongoing	GSA discussed tracking with the Federal Electronics Stewardship Working Group (FESWG) and Property Managers Executive Council (PMEC). Tracking can be by type and number of items included in Bulletin B-34 and online Annual Report reporting tool. However, GSA is also proposing to capture the weight values of these assets as well. Final policy FMR 102-36 planned for interagency review by 12/31/15.
II.5 Action Item : More effectively direct Federal Government spending on electronics toward green products through procurement changes.				
II.5.1 GSA will work, to the maximum extent practicable, to remove all products that are not ENERGY STAR or EPEAT, within product categories where ENERGY STAR qualified and EPEAT registered products are available, from the standing Government-wide IT acquisition contracts.	GSA	—	Ongoing.	GSA adds Energy Star-only requirements where feasible. To date, GSA added Energy Star-only requirements for imaging equipment, appliances, and battery chargers to four multiple award schedules. GSA offers Energy Star products through IT Schedule 70, several other Multiple Award Schedules, Federal Strategic Sourcing Initiative (FSSI) contracts, and the National IT Commodities Program. FSSI Print Management also has an EPEAT-only requirement, and GSA offers and is adding EPEAT-registered products through the Multiple Award Schedules.
II.5.2 GSA will work with OMB to expand the use of green purchasing training by Federal employees involved in electronics purchasing, including procurement professionals, purchase card holders, information technology professionals, and other procurement request originators.	GSA	OMB	Ongoing.	Green Purchasing training is available on GSA's Online University, government wide training websites, and the GSA SmartPay web site, but the courses are not specific to green electronics. All courses are geared toward purchasers and discuss Energy Star and EPEAT registered products. GSA will develop additional training if guidance from CEQ requires additional content.
II.5.3 GSA will solicit input from industry and the public on whether providing refurbishment as a service fits into viable business models for refurbishers, what appropriate standards and certifications ought to be considered, and how best to build Federal contracts for such services.	GSA	—	Completed	GSA solicited input and evaluated options from industry/public on whether providing refurbishment as a service fits into viable business models for refurbishers, what appropriate standards and certifications ought to be considered, and how best to build Federal contracts for such services. FAS did not identify demand for refurbishment services.
II.6 Action Item : Expand the use of intergovernmental, cooperative agreements between the US Postal Service and other Federal agencies to make it more convenient, efficient, and cost effective for government agencies with remote offices to directly ship used electronics to original equipment manufacturers, certified				
II.6.1 USPS will establish intergovernmental MOUs to expand the use of the USPS services to provide government agencies, especially those with remote domestic offices, with more convenient and cost effective methods to directly mail or ship electronics to original equipment manufacturers, certified recyclers, or entities that will reuse the equipment.	USPS	—	Ongoing.	Sixteen agencies ATF, DOC, DOD, DOE, DOI, DHS, DOT, EPA, FAA, FERC, GSA, HUD, NRC, SBA, USDA and USPS have begun participation in the USPS BlueEarth program. USTDA and Peace Corps have expressed interest in pursuing participation. BlueEarth website has been developed and launched for the federal and employees used electronics take-back programs. http://blueearth.usps.gov/

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Action Items and Projects	Primary Agency	Support Agency	Progress	Status
III. Goal: _Increase Safe and Effective Management and Handling of Used Electronics in the United States_				
III.1 Action Item : Launch voluntary partnerships with the electronics industry.				
III.1.1 EPA will seek the commitment of electronics industry companies that use electronics recycler certification programs and those who also go above and beyond those practices to increase their use of certified recyclers and provide data in a transparent manner.	EPA	—	Complete	EPA secured commitment of three major electronics companies that use electronics recycler certification programs and who also go above and beyond those practices to increase their use of certified recyclers and provide data in a transparent manner.
III.1.2 EPA will work with these companies and other industry stakeholders to launch a voluntary partnership program aimed at increasing the safe management of used electronics through the use of third party certified recyclers as a floor.	EPA	—	Complete	EPA worked with the three companies and other industry stakeholders to launch a voluntary partnership program, the SMM Electronics Challenge, aimed at increasing the safe management of used electronics through the use of third party certified recyclers. http://www.epa.gov/solidwaste/conserve/smm/electronics/index.htm
III.1.3 EPA will work with the electronic industry and other stakeholders to recognize best management practices for downstream management, encourage public disclosure and promote tracking beyond third-party certification.	EPA	—	Complete	EPA built on the SMM Electronics Challenge to include additional participants.
III.1.4 EPA will strive for continuous improvement of the safe and effective handling of these materials throughout the system from collection to recycling to downstream facilities, and educate consumers on the importance of reusing or recycling used electronics, and the methods and locations to do so.	EPA	—	Complete	EPA is encouraging use of standards and certification programs as tools for environmentally sound recycling. EPA developed and launched a map of recyclers and refurbishers that are certified to the electronics recycling certification programs. http://www.epa.gov/osw//conserve/materials/ecycling/certmap.htm EPA provided, as necessary, technical assistance to both electronics recycling certification programs specific to revising and updating their current standards.
III.2 Action Item : Provide guidance to electronics recycling employers on providing facilities that offer safe and healthful working environments.				
III.2.1 DOL will develop and post material for its Green Job Hazards: Waste Management and Recycling webpage that addresses the electronics recycling and related industries.	DOL	OSHA	Complete	Developed green jobs website with recycling industry sector that includes e-waste. http://www.osha.gov/dep/greenjobs/index.html
III.2.2 DOL will publish and post guidance for the identification and control of safety and health hazards in electronics recycling and related industries.	DOL	OSHA	Ongoing	DOL will publish and post guidance for the identification and control of safety and health hazards in electronics recycling and related industries. Will collaborate with EPA and NIOSH in developing the guidance document. Target Date: 12/31/15
III.3 Action Item : Establish approaches to gather, track, and provide public access to information on quantities and movement of used electronics within the US.				
III.3.1 EPA, in coordination with DOC, GSA, and other federal agencies will work to identify methods for domestic tracking of used electronics through a research agenda.	EPA	DOC, GSA	Ongoing	EPA has worked with GSA to develop an environmentally extended input-output life cycle assessment (LCA) approach for the electronic computer manufacturing sector that can be used in the development of a tracking system. Additionally, EPA has developed a report that provides an analysis of the current rare earth element (REE) use in consumer electronics to identify key issues for the efficient use of materials, and establishes a potential role for EPA in providing critical information to industry on REEs across the lifecycle supply chain – both of these efforts directly contribute to developing a tracking process. Lastly, EPA has been working to standardize LCA data and to make that data available across Federal agencies. These activities support the development of the needed science that will be used in the development of a tracking process.
III.3.2 EPA, in coordination with DOC, GSA, other federal agencies, universities and other entities, will determine if it can develop and publish an online tool so the public can access information on the quantities and flows of used electronics, and, if so, implement the tool.	EPA	DOC, GSA	Complete	EPA supported an effort by UNU-StEP to develop a "StEP E-waste WorldMap" (http://step-initiative.org/index.php/WorldMap.html) which was launched in December 2012. The map was developed to provide country-level data on volumes of e-waste and eventually transboundary flows of e-waste.

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Action Items and Projects	Primary Agency	Support Agency	Progress	Status
IV. Goal: *Reduce Harm from US Exports of E-Waste and Improve Safe Handling of Used Electronics in Developing Countries*				
IV.1 Action Item : Improve information on trade flows and handling of used electronics, and share data with Federal and international agencies, within the limits of Federal authorities.				
IV.1.1 USTR will work with other federal agencies to explore ways to gather better, more detailed, trade data, including a study on US exports of used electronics.	USTR	DOC	Complete	Study launched. See United States International Trade Commission (USITC) press release (http://www.usitc.gov/press_room/news_release/2012/er0130kk1.htm). See United States Trade Representative (USTR) request letter (http://www.usitc.gov/research_and_analysis/ongoing/request_letter_332-528.pdf). USITC released study on March 8, 2013 (http://www.usitc.gov/press_room/news_release/2013/er0308ll1.htm)]
IV.1.2 EPA, DOC, USTR, and other relevant agencies will discuss ways in which to gather and share accurate data on used electronics exports.	EPA	DOC, USTR	1. Complete 2. Ongoing	1. United Nations University-Solving the E-waste Problem (UNU-StEP) study characterizing the transboundary flows of used electronics exported from the US [complements United States International Trade Commission (ITC) and Commission for Environmental Cooperation (CEC) studies]. StEP worked with MIT and National Center for Electronics Recycling (NCER) to conduct study which was released 12/16/2013. http://www.step-initiative.org/tl_files/step/_documents/MIT-NCER%20US%20Used%20Electronics%20Flows%20Report%20-%20December%202013.pdf 2. Phase 1 &2 of CEC e-waste trade flows project complete. Parties are commenting on the draft report. Spring 2015
IV.1.3 EPA will work with other relevant agencies to develop an agreement for sharing export data on electronics across Federal agencies.	EPA	—	Complete	Currently, there are two studies on US exports of used electronics completed (See item IV.1.1 and 2) and one other that is undergoing completion (See item IV.1.2). No agreement is necessary to share this export data.
IV.1.4EPA, DOC, and other relevant agencies will develop and implement a system for making information on used electronics flows available to the public.	EPA	DOC	Ongoing	EPA and other relevant agencies continue to develop and implement a system for making information on used electronics flows available to the public. For global flows, the result of EPA's work with UNU-StEP http://www.step-initiative.org/tl_files/step/_documents/MIT-NCER%20US%20Used%20Electronics%20Flows%20Report%20-%20December%202013.pdf and CEC (North American trade flows study to be completed Winter 2014) will be included here. UNU-StEP ADDRESS project is an existing database of information on country-by-country volumes of e-waste that will be adapted to include flows data from the EPA/UNU-StEP partnership.
IV.2 Action Item : Provide technical assistance and establish partnerships with developing countries to better manage used electronics.				
IV.2.1 EPA and other relevant agencies will initiate a partnership with international organizations and others to share best practices for recycling with developing countries. Federal agencies will build on and enhance coordination among different bilateral and multilateral initiatives and organizations	EPA	—	1-3. Ongoing: capacity building 4. Complete: CEC work	1) AFRICA: EPA supported UNU-StEP in conducting an analysis of Ethiopia's e-waste situation which resulted in a published StEP report (http://step-initiative.org/tl_files/step/files/5.%20StEP%20Task%20Forces/5.3%20TF%203%20Re-Use/5.3.4%20Projects/StEP%20Country%20Study%20Ethiopia/StEP_GP_E-waste%20Ethiopia_20130410.pdf); recommendations include developing a sustainable e-waste recycling center in Addis Ababa, and the establishment of an Ethiopian e-waste coalition called EWAMP. As a result of this work, the GEF awarded $1 million to the Ethiopian government to further develop the recycling center as a regional model with StEP as the lead technical consultant. EPA participates on the project's advisory board, thus, continuing to build upon the initial EPA-supported work. 2) EPA and Environmental Protection Administration Taiwan continue to work together to lead the International E-Waste Management Network, which enables environmental officials from Asia, Africa, Latin America and the Caribbean to directly exchange best practices related to e-waste management (http://www.epa.gov/international/regions/Asia/taiwan/iemn.html). The IEMN held its last meeting in Vietnam July 14-17, 2014. The next IEMN meeting is scheduled for Sept. 21-25, 2015 in Colombia. 3) EPA and China's Ministry of Environmental Protection are collaborating on a project to improve the environmentally sound management of printed circuit boards in China. 4) Parties of the CEC completed a training course on environmental sound management (ESM) at electronics recyclers for North America and provided training sessions for interested electronics recyclers in Mexico and Canada during the summer of 2013.
IV.2.2 USTR will pursue opportunities to discuss concerns about unsafe handling of used electronics in its bilateral and regional dialogues with countries.	USTR	—		Launched work program on electronics stewardship in the Committee on Trade and Investment in APEC (Asia-Pacific Economic Cooperation forum)
IV.3 Action Item : Work with exporters to explore how to incentivize and promote the safe handling of remanufactured, recycled, and used electronics at home and abroad.				
IV.3.1 EPA, USTR and other Federal agencies will seek opportunities to share with exporters concerns and information about unsafe handling of used electronics exports abroad.	EPA, USTR	—	Ongoing	EPA began initial discussions with industry groups that export used electronics to seek opportunities to share with exporters concerns and information about unsafe handling of used electronics exports abroad.
IV.4 Action Item : Propose regulatory changes to improve compliance with the existing regulation that governs the export of cathode ray tubes from used computer monitors and televisions that are destined for reuse and recycling.				
IV.4.1 EPA will propose changes to the CRT Rule to better track exports of CRTs for reuse and recycling.	EPA	—	Ongoing	EPA proposed revisions to the Cathode Ray Tube (CRT) Rule to help better track exports of CRTs for reuse and recycling. Final rule was published in the FR at: 79 FR 36620, June 26, 2014.
IV.5 Action Item : Support ratification of the Basel Convention on the Control of Transboundary Movements of Hazardous Wastes and their Disposal.				
IV.5.1 DOS and EPA will work together to explore options for strengthening US participation in the Basel Convention, including options that would enable ratification.	DOS, EPA	DOC, USTR	Ongoing	DOS and EPA continue to provide technical support and information to inform discussions regarding ratification of the Basel Convention.

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