

**CCF CORPORATE ACTIONS REDEMPTIONS LIFECYCLE FILES AND THEIR ISO 2002 MESSAGE EQUIVALENTS**

CCF File Name	Record Format	Phase	Description	ISO Message	ISO Subscription	Timing
MMIRDP	REORDP	Distributions (Phase 3) Redemptions (Phase 4) Reorganizations (Phase 5)	"Record Date Positions". The file contains DTC Reorg and Record Date position information for reorganization MMI events.	Replaced by Corporate Action Notification (seev.031.002 CANO Eligible Balance)	CANO-E	Generally available from 5:00 a.m. to 5:00 p.m. the day following Record date.
MMIRC1	CSHMICCF cobcopy	Redemptions (Phase 4)	MMI Cash Allocation (Start of Day MMI Redem Cash Allocation Information)	Replaced by Corporate Action Movement Confirmation (seev.036.002 CACO) message	CACO	Start of day
MMIRC2	CSHMICCF cobcopy	Redemptions (Phase 4)	MMI Cash Allocation (End of Day MMI Redem Cash Allocation Information)	Replaced by Corporate Action Movement Confirmation (seev.036.002 CACO) message	CACO	End of day.
CSHRAL	CSHDAL	Redemptions (Phase 4) Reorganizations (Phase 5)	MMI maturity (redemptions) and reorganization presentment payments allocated on the current business day.	Replaced by Corporate Action Movement Confirmation (seev.036.002 CACO) message	CACO (Redemptions and Reorg only)	4:00 (allocated maturity and reorg presentments)
CSHRPJ	CSHDAL	Redemptions (Phase 4) Reorganizations (Phase 5)	Projected allocations for MMI maturity (redemptions) and reorganization presentments. Contains all the projected allocations for the current day plus the upcoming five DTC settlement (non bank holiday) business days.	Replaced by Corporate Action Movement Preliminary Advice (seev.035.002 CAPA) message	CAPA (Redemptions and Reorg only)	4:00 a.m. - 4:00 p.m. (projected maturity and reorg presentments)
CSHRUN	CSHDAL	Redemptions (Phase 4) Reorganizations (Phase 5)	Unallocated MMI maturity (redemptions) and reorganization presentment payments at the end of the business settlement period each day.	Replaced by Corporate Action Event Processing Status Advice (seev.032.002 CAPS) message	CAPS (Redemptions and Reorg only)	4:00 (unallocated maturity and reorg presentments)
CSHEUD	CSHSET	Distributions (Phase 3) Redemptions (Phase 4)	All unallocated funds with updated reason codes including reason codes for funds received after settlement.	Replaced by Corporate Action Event Processing Status Advice (seev.032.002 CAPS) message	CAPS (Distributions and Redemptions only)	7:30 p.m. (all unallocated funds with updated reason codes)
CSHEU1	CSHSET	Distributions (Phase 3) Redemptions (Phase 4)	All unallocated funds with updated reason codes including reason codes for funds received after settlement.	Replaced by Corporate Action Event Processing Status Advice (seev.032.002 CAPS) message	CAPS (Distributions and Redemptions only)	6:15 p.m. (all unallocated funds with updated reason codes)
CSHEU2	CSHSET	Distributions (Phase 3) Redemptions (Phase 4)	All unallocated funds with updated reason codes including reason codes for funds received after settlement.	Replaced by Corporate Action Event Processing Status Advice (seev.032.002 CAPS) message	CAPS (Distributions and Redemptions only)	5:15 p.m. (all unallocated funds with updated reason codes)

CSHIUA - CSHIUC	CSHSET	Distributions (Phase 3) Redemptions (Phase 4)	Cash Allocation Information (Unallocated Fund Report) for Dividends and Redemptions. Notice of the current pay date cash non- allocations, especially issues in default and issues not funded by the agent.	Replaced by Corporate Action Event Processing Status Advice (seev.032.002 CAPS) message	CAPS	CHSIUA 12:30 p.m. (non allocating funds) CSHIUB 1:30 p.m. (non allocating funds) CSHIUC 2:45 p.m. (non allocating funds)
CSHPRJ	CSHSET	Distributions (Phase 3) Redemptions (Phase 4) Reorganizations (Phase 5)	Projected allocations for the current day plus the upcoming 5 DTCC settlement (non bank holidays) business days.	Replaced by Corporate Action Movement Preliminary Advice (seev.035.002 CAPA) message	CAPA <i>(Note: Projections begin on pay date minus 7)</i>	4:00 a.m. - 4:00 p.m. (projected allocations)
CSHSET	CSHSET	Distributions (Phase 3) Redemptions (Phase 4) Reorganizations (Phase 5)	A full end of day file that contains all cash allocations for a single business day.	Replaced by Corporate Action Movement Confirmation (seev.036.002 CACO) message	CACO	5:00 p.m. (cumulative allocated funds)
CSHSTA - CSHSTG	CSHSET	Distributions (Phase 3) Redemptions (Phase 4) Reorganizations (Phase 5)	Client's cash allocation information on an hourly basis.	Replaced by Corporate Action Movement Confirmation (seev.036.002 CACO) message	CACO	CSHSTA 10:15 a.m. (allocated funds) CSHSTB 11:15 a.m. (allocated funds) CSHSTC 12:15 p.m. (allocated funds) CSHSTD 1:15 p.m. (allocated funds) CSHSTE 2:15 p.m. (allocated funds) CSHSTF 3:15 p.m. (allocated funds) CSHSTG 4:15 p.m. (allocated funds)

CSHS01 - CSHS13	CSHSET	Distributions (Phase 3) Redemptions (Phase 4) Reorganizations (Phase 5)	Client's cash allocation information every 30 minutes.	Replaced by Corporate Action Movement Confirmation (seev.036.002 CACO) message	CACO	CSHS01 9:40 a.m. (allocated funds) CSHS02 10:10 a.m. (allocated funds) CSHS03 10:40 a.m. (allocated funds) CSHS04 11:10 a.m. (allocated funds) CSHS05 11:40 a.m. (allocated funds) CSHS06 12:10 p.m. (allocated funds) CSHS07 12:40 p.m. (allocated funds) CSHS08 1:10 p.m. (allocated funds) CSHS09 1:40 p.m. (allocated funds) CSHS10 2:10 p.m. (allocated funds) CSHS11 2:40 p.m. (allocated funds) CSHS12 3:10 p.m. (allocated funds) CSHS13 3:30 p.m. (allocated funds)
CSHUNL	CSHSET	Distributions (Phase 3) Redemptions (Phase 4) Reorganizations (Phase 5)	An end of day file containing all unallocated funds.	Replaced by Corporate Action Event Processing Status Advice (seev.032.002 CAPS) message	CAPS	4:00 p.m. (all unallocated funds)
REDLRB	REDEMx	Redemptions (Phase 4)	Afternoon intra-day file containing client's Lottery results information concerning a specific redemption.	Replaced by Corporate Action Movement Preliminary Advice (seev.035.002 CAPA) message	CAPA	3:00 p.m. (afternoon intra-day lottery results)
REDEML	REDEME	Redemptions (Phase 4)	End-of-day file containing client's Lottery results information concerning a specific redemption.	Replaced by Corporate Action Movement Preliminary Advice (seev.035.002 CAPA) message	CAPA	6:30 p.m. (cumulative end-of-day lottery results)