

Correct Over-Accrued COMP

Updated as of block [19333297](#) at 2/29/2024, 7:53:35 AM ET

- ID: 65
- Proposer: [0xc8A69971DAa3C3ADd85Ab0d0AF297515769ddfFC](#)
- Start Block: 13413169 (10/13/2021, 8:23:21 PM ET)
- End Block: 13432879 (10/16/2021, 10:51:16 PM ET)
- Targets: [0x3d9819210A31b4961b30EF54bE2aed79B9c9Cd3B](#) ;
[0xBafE01ff935C7305907c33BF824352eE5979B526](#) ;
[0x3d9819210A31b4961b30EF54bE2aed79B9c9Cd3B](#)

Forum Post

Forum post is present here: [Forum Post](#)

Table of contents

- [Proposal Text](#)
- [Checks](#)
 - [Checks Compound Proposal Details](#)  [Passed](#)

Proposal Text

Correct Over-Accrued COMP

Objective

Correct the amounts of over-accrued COMP due to the bug in Proposal 62 and fully restore the functionality of COMP rewards.

Justification

[Proposal 62](#) introduced a bug in the COMP distribution logic that allowed users borrowing certain assets to claim more than their intended share of COMP. [Proposal 64](#) patched the bug introduced in Proposal 62 and disabled COMP claiming for users active in the affected markets (cSUSHI, cMKR, cYFI, cAAVE, cTUSD, and cSAI).

Details

Now that proposal 64 has been executed, we're able to compile a definite list of users who have over-accrued COMP along with the exact amounts they over-accrued.

This proposal contains that exact list and calls a newly introduced one-off function - `fixBadAccruals` - to correct the over-accrued COMP. This function behaves the following way:

- If the user's amount of accrued COMP is greater than the amount they over-accrued, the amount over-accrued is subtracted from their accrued amount (`compAccrued`).
- If the user's amount of accrued COMP is less than the amount they over-accrued (i.e. they successfully claimed more COMP than they should have), their accrued amount (`compAccrued`) is set to 0 and the

difference (i.e. what they owe the protocol) is saved to `compReceivable`. This new storage variable is only used for record-keeping at the moment.

- An event - `CompReceivableUpdated` - is emitted when `compReceivable` is updated.
- An event - `CompAccruedAdjusted` - is emitted when this function updates `compAccrued`.

Note: Record-keeping for the users who successfully claimed more COMP than they should have and then subsequently returned the funds will have to be updated in a different proposal.

Since this proposal corrects all of the amounts of over-accrued COMP, the functionality of `claimComp` has been restored for all users.

Upon execution of this proposal, Compound protocol will return to its fully functioning state.

Verification

Everyone is encouraged to verify that the list of users along with their over-accrued amounts exactly matches the output of [the script](#) used to create this list.

Review

This proposal has only been thoroughly reviewed by myself, so I urge everyone to also thoroughly review this proposal before voting on it.

The proposal has been simulated from a fork of mainnet at block #13380217. The simulation passes with the proposal behaving exactly as expected.

Credits

TylerEther (me)




References

- [Forums - Proposal 65 discussion](#)
- [Forums - Proposal 64 analysis](#)
- [Proposal simulation](#)
- [Compound tools repository](#) hosting the [script used to create the list of affected users and their over-accrued amounts](#)
- [Comptroller - Etherscan code](#)

Checks

Checks Compound Proposal Details Passed

Info:

- 1-  Function `_setPendingImplementation(address)` is removed from `0x3d9819210a31b4961b30ef54be2aed79b9c9cd3b` contract
- 2-  Upgrade of the Compound Comptroller contract to a new implementation [0x3d9819210A31b4961b30EF54bE2aeD79B9c9Cd3B](#) from [0xbafe01ff935c7305907c33bf824352ee5979b526](#).
- 3-  Fix over-accrued COMP tokens of the addresses by their respective amounts:
 - [0xB3BD459e0598ddE1FE84B1d0a1430BE175B5D5be](#) by 70,024,581.827215461300286636 COMP

- [0xC5119DB28aDde44A8e1453E733381025a2910f7d](#) by 99,434.542520051820798713 COMP
- [0x309d413391e975B553B7B8D19bC11F8a6c2eB889](#) by 91,168.628321892518528194 COMP
- [0x261fe0Fc430c4Ce4158EBE9258e7F9c646fEA448](#) by 65,253.893519524513427603 COMP
- [0xdf6faDA48f5963a8977eC2BCD7b264434CE294f6](#) by 37,504.914534703867310656 COMP
- [0x2e4ae4d3bD0Af45040b4F17e0BB7E6dC548626B1](#) by 29,991.222921414803034064 COMP
- [0x3af015f6e3aC79D217198f00ef36AF099D223e29](#) by 29,664.092163099163866723 COMP
- [0xaB5a193A11f779fe105E8edf9815a0b514B013CA](#) by 22,995.425435193061317525 COMP
- [0xf3f5C252e8ACd60671f92c7F72cf33661221Ef42](#) by 18,977.306140567618322762 COMP
- [0x01B037084EbA7E4519dbFC9BA026ae696746E033](#) by 16,153.770461869763337554 COMP
- [0x9657BD100802434797d0fb21c356B0871C24485B](#) by 14,995.55201733253790724 COMP
- [0x712d0f306956a6A4b4F9319aD9B9de48c5345996](#) by 11,518.530074563941561647 COMP
- [0x98d105874052dDeF7150AFB661190df5f8c3a719](#) by 9,499.196713099819935841 COMP
- [0xf946CDAEcF5A15440e500E61A0c1d179A93652ad](#) by 7,212.224879583644596449 COMP
- [0x8E9c0eA7e72531BA2F7014f3b39783Ac4a26E34a](#) by 7,038.803948830987770903 COMP
- [0xA7B95D2a2D10028cC4450e453151181cBCAc74FC](#) by 4,465.995783400342603801 COMP
- [0x3b3f3EA865293f004E01c35B9e8BA80DAabc8a72](#) by 3,476.860522368145404076 COMP
- [0x0246C1e74EE54Af89c50BFEfFDDdbad0F0d63da2](#) by 2,999.525712631519714571 COMP
- [0xe68176A9D8A4323Ea3FaB649B30E00d0A6a87d15](#) by 2,976.977462986329769345 COMP
- [0xFa24DE5410581625Ca749D615191Bd33e0366a8f](#) by 1,881.718446191311189927 COMP
- [0x75E4c0FFb05c07798e22605b607e2c8717A1e885](#) by 1,699.235799386422007751 COMP
- [0x26A6dC267e276Fded7b40251C8fc08B1b40df367](#) by 1,577.01823115701811514 COMP
- [0x621Ec0b18317049583aC828461cdb4031AD2a76a](#) by 1,499.788428567608763699 COMP
- [0x8f4138b15A1Eb898380D29b677B417dCAfd2bBFE](#) by 1,278.642977639309919583 COMP
- [0x34BbC9a46B09283698ba7Aa1c273E8B4E9F7bcC3](#) by 1,247.907251007203364606 COMP
- [0x25B651A210f0Cd42D1540F885489caE8C9FF0FCC](#) by 998.601466881096599093 COMP
- [0xf628B747C4E70825AF24e3d59748bac477dcbF6](#) by 791.579317801755286963 COMP
- [0x5d6DC617D38655254Ea718044D37451E75144357](#) by 773.933487859775608904 COMP
- [0x10bf1Dcb5ab7860baB1C3320163C6dddf8DCC0e4](#) by 762.430378814137892973 COMP
- [0x60A71287353f3ac632F3e75Fd1be532850aA5f4D](#) by 505.305506641181113258 COMP
- [0x53F79a391C638D03e9ED0823dF82e1E72E5F616a](#) by 499.866820508711159523 COMP
- [0x90F7Fe74192F18e0020EB04de550cb2BDBc7cd4f](#) by 491.351929276724469475 COMP

- [0x093599e111A14aaEFeF98573f26a7AA2Cc58eBff](#) by 187.011763377256292965 COMP
- [0xA5d223c176daAB154a3134369D1C0478c5e6FecF](#) by 95.880194615183341505 COMP
- [0x6c9eda0c8ce90CCaF6F88C0fB7511447FB92b3Fe](#) by 35.906565779719826718 COMP
- [0x7F9D39De53a3036463146e91E921cC9FbCb2De4](#) by 34.940732225857751281 COMP
- [0x8FD2515a5B29E61220Ee080D484D1F2ea4C46E6B](#) by 25.099485956367649889 COMP
- [0xB35E71b6A5aebB07dFc3aA705968411ebdBC003f](#) by 19.778101924102624863 COMP
- [0x107e78d87005a76b1dc787C2e3DD7986bb47568B](#) by 19.505161319578397635 COMP
- [0x94AAF5Ceb457057AC4d1588257988D487272984F](#) by 2.968804004067920724 COMP
- [0x3DdfA8eC3052539b6C9549F12cEA2C295cfF5296](#) by 0.432423944715881797 COMP
- [0xe03fFE4cCe71b39Ae1A8580AA94AA40bA611c820](#) by 0.100905201500492779 COMP
- [0x11690B00Fef3091f37Dd0F88e36c838Cd344547f](#) by 0.099856604811161355 COMP
- [0x7d6149aD9A573A6E2Ca6eBf7D4897c1B766841B4](#) by 0.049962015092674176 COMP
- [0xF6c3c3621F42Ec1F1CD1207Bb1571d93646Ab29A](#) by 0.00995159332932384 COMP
- [0xd19B7946621FE75bA15Ce23ED90D0Af8C962e6d8](#) by 0.006757459496349902 COMP
- [0x8de962fDc6521A426389AAD89E1C067c8f816004](#) by 0.005597019815253533 COMP
- [0x212D3c9ad48926ED3e7ef538CAaDDb5D10E8Eb9e](#) by 0.000501759751685271 COMP
- [0xa92766340B0742d4AF8C065443640EFdfd18a9A3](#) by 0.000200024507662316 COMP
- [0x6DdCA709e0d29fdD03Be35553c77c08f81a3F9e1](#) by 0.00003327774577726 COMP
- [0x83B8987b2f48B6B7220fFC6E83fa0F129B9D5149](#) by 0.000014611468777911 COMP
- [0x9C84bE7Ba23a5034C56d0289EeFB6C083e96dD94](#) by 0.00000501490572407 COMP
- [0xD2E7d58850D058668Ee67fad262760E5b05Ed2a4](#) by 0.000004997677706137 COMP
- [0xb265aC5Bc12a97bC359b0Ca0870f8b1cEC6369E9](#) by 0.000004989881308103 COMP
- [0xba2ef5189B762bd4C9E7f0b50fBBaB65193935e8](#) by 0.00000241992365965 COMP
- [0xe095DE809090531D343D046B2Fd3Abf28419D3d0](#) by 0.000001486146270087 COMP
- [0x99265b66461539efD0334901DbB5a2d7f082687A](#) by 0.000000496946680063 COMP
- [0x86BBC49A00bDE4d64CdE650F6ca8CC0f138fD344](#) by 0.0000003498708548 COMP
- [0x87279585d52f534A2d2E453518cD7890c5762d19](#) by 0.000000152196995332 COMP
- [0x2eCdc1191514B7e1eD44587822DFaF7C670D6aE](#) by 0.000000147008249887 COMP
- [0x138F85de34EC8057EC206788a064f842cd64Ce9E](#) by 0.000000104317366337 COMP
- [0xc63fc0aE83555e2553762EdD887433573F77CFc2](#) by 0.000000099993707875 COMP
- [0x2b3b15Cb2304223D1A8ca28c17258775Bd5B0826](#) by 0.000000047972588242 COMP

- [0x8c1A4C98C470900567FB9e764243c89cDa79400C](#) by 0.000000044234730265 COMP
- [0xF8d9EcFB5Ddd99A6E0ccABC54A440205Cd40e448](#) by 0.000000012031544568 COMP
- [0x728e7f512E01E7811037985dDFb15F9bFeF517a8](#) by 0.000000010541282903 COMP
- [0x6E13BE05021E83318Fae9f29F2f57CacAccB62A3](#) by 0.00000000859482606 COMP
- [0x124E1FafCadc2c017a17B4bBBBfFF3867b7dEE35](#) by 0.000000005 COMP
- [0x0006e4548AED4502ec8c844567840Ce6eF1013f5](#) by 0.000000001617031777 COMP
- [0x82a726178Ab68d446e079901f2CA95f83DDe37d4](#) by 0.000000001324963912 COMP
- [0x339B00277F32265B5a46599Ad30495b0e921EB6f](#) by 0.000000000751720862 COMP
- [0xEbE5c14F6AC0ce53640CeBFe6D213674DC08D440](#) by 0.00000000029345441 COMP
- [0x0730fD7D15fA9a40a6C7B2bbb4B8CE9ee6E6d08B](#) by 0.000000000171168761 COMP
- [0xDe122ae193F46D67C239aE0c7DaE644f9931a772](#) by 0.00000000001549831 COMP