## **Audit Report**

Core Unit Name: DUX Audit ID: 2021-02-DUX-004 Audit Cycle: 2022- 02 / 1 Audit Result:

Audit Date: 02-28-2022

CU published BS date: 02-25-2022

Facilitator contact: @venture

Core Unit Clarification Received Date:

 $Transparency\ Report:\ https://github.com/makerdao-dux/transparency-reporting/blob/main/Monthy\%20Budget\%20Statements/2022-02.md$ 

MIP40c3-SP26: https://forum.makerdao.com/t/mip40c3-sp26-development-ux-core-unit-budget-dux-001/9774
MIP40c3-SP52: https://forum.makerdao.com/t/mip40c3-sp52-development-ux-core-unit-budget-dux-001/12085

	Dc3-SP27: https://forum.makerdao.com/t/mip40c3-sp27-development-ux-core-unit-mkr-budget-dux-001/9777						
#	Audit Question			Audit Assessment	Core Unit's Clarification	Immediate CU Action to improve transparency report	Medium Term CU Action to improve transparency report
	Audit Questions to the structure of the transparency report and consistency with DUX MIP40c3-SP52						
0.1	Are the sections in the transparency report in the right order: Actuals, Forecast, MKR vesting and Transfers?	<b>~</b>		Yes.			
0.2	Does the actual section include breakdowns per wallet with Budget Category, Forecast, Actuals, Difference and Payments?	<b>~</b>		Yes.			
0.3	Does the budget forecast cover 3 months with summary and budget category breakdown?	~		Yes.			
0.4	Does the budget forecast summary and breakdown contain the quarterly budget caps for comparison?	~		Yes.			
0.5	Does the budget forecast summary contain the Global/total budget cap?	<b>V</b>		Yes.			
0.6	Are the budget forecast categories in the transparency report the same as in the MIP40c3-SP52?	<b>V</b>		Yes.			
0.7	is the operational wallet Multi-sig wallet setup the same as described in the MIP40x3-5P527			No. 51H address ethi:  Ostid 1c 05 CGB.AST.BeA03010910H052cUc4A1465745c was added fobruary 8th 3022 and ethi Ostic 6c0538th001108410H1199Ac32ebe16cc4500A was removed on February 9th 3022.  Operational wallst controlled by the current BUA Core Unit Iteam Address: Ox8Ccibud5cU549RActb73c6699Edds5A3A44669x0C7 Signon: Ox8Ccibud5cU5498Actb73c6699Edds5A3A44669x0C7 Signon: Ox8Ccibud5cU5498Actb73c6699Edds5A3A4669x0C7 Signon: Ox8Ccibud5cU5498Actb73c6699Edds5A3A4669x0C7 Signon: Ox8Ccibud5cU5498Actb73c699Edds6A3A345b1c5bfC Signon: Ox8Ccibud5cU5498Actb73c696B6Ad343cb1c5bfC Signon: Ox8Ccibud5cU5498Actb73c696B6Ad343cb1c5bfC Signon: Ox8Ccibud5cCibud5cCbfC Signon: Ox8Ccibud5cCbfC Signo			The Budget Implementation diagram to the MIP40x3-5H52 should be updated with the new operational wallet oth address ethousiate CRECESAACSAADS INDICATES AT THE ACT OF
0.8	Is the DUX operational wallet controlled by more than 1 signer?	<b>~</b>		Yes, the DUX operational wallet has a current policy of 3 out of 6 signers			
0.9	Is the auditorl wallet Multi-sig wallet setup the same as described in the MIP40c3-SP52?	<b>&gt;</b>		Yes. The Auditor Wallet requires 2 out of 2 confrimations. Auditor's wallet eth address: eth: 0x.5499408.428CCEDCC153863CCdA9D2Be6352f89ad Signers: Accountant role wallet eth: 0x.2A2855Ac8D2a92c8A5a437690875261535c8320C Auditor role wallet eth: 0x82d357e224949acDDe173a5b8A8160c023ea86e6			
0.10	Has the DUX auditor wallet receive the funds from the protocol?			Yes, the Auditor Wallet has received 359,120 DAI from the protocol on November 2021. https://etherscan.io/tb/0xc476cda0d8bea385824fda9c75cb6a84020dc814db24399dd3d3a1e9a2f4c24c.			
0.11	Has the DUX auditor wallet sufficient funds to top up the Dux operational wallet?			Yes. The Auditor Wallet current balance is 148,199.40 on February 28th, 2022.			
0.12	Has the DUX operational wallet received a top-up after the audit of the last transparency report?	<b>~</b>		Yes, the DUX operational wallet received the top-up amount 84,800 DAI as requested in the January 2022 Budget Statement. https://etherscan.io/tx/0x27890e47b585d6166ce8ad8ca7bdd22aa3d7c478bae98da41b8			

Core Unit December 2021 To-Up Date:

Approved with comments Core Unit December 2021 To-Up Link:

Audit Questions to Section Transparency Report - Section 1. Last Month Actuals -								
is the actuals budget category breakdown the same as in the MIP40c3-SP52?	<b>~</b>				Yes.			
Is the transparency report actual's forecast the same as the forecast last published for the same month?	<b>V</b>				Yes.			
Are the differences between forecast and actuals explained in the transparency report?								Suggestion: Dux could add the reason(s) for the differences btw. forecast and actuals in the actuals 'table.
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And the DIIV actual aurences within the Clabel Actual MIDAGES CDF3 had and	<u> </u>							
1.6 Has the DUX contributor fees any significant deviations between forecast and actuals?					There is a positive difference of 7,995.78 DAI, the forecast is 55,000 DAI and the actual expense is 87,004.22 DAI.	DUX contributor's payments are up to date.		Suggestion: DUX should forecast the contributor's compensations as close as possible to the actual payments to minimize significant deviations btw. Forecast and actuals.
Has the DUX travel costs any significant deviations between forecast and actuals?		<b>✓</b>			Yes, the forecast is 7,000 and the actual expense is 1,245.71 DAI. The difference is 5,754.29 DAI	DUX attended the ETH Denver conference, all travel expenses are not reimbursed yet.	Suggestion: Dux should gather all travel expenses no later than March 31st to close the travel reimbursements asap.	
Has the DUX IT Infrastructure and services costs any significant deviations between forecast and actuals?	<b>Z</b>				Yes, the forecast is 5,400 DAI and the actual expense is 4,872.63 DAI, the difference is 527.37.	Lower IT infrastructure costs in February 2022.		
Has the DUX gas fees any significant deviations between forecast and actuals?	<b>V</b>				No.			
Has the DUX Legal Services costs any significant deviations between forecast and actuals?	<b>V</b>				No.			
Has the DUX one time expense any significant deviations between forecast and actuals?  1.11	<b>✓</b>				Yes, the forecast is 500 DAI, and the actual expense is 0.	Dux has no one time expenses in February 2022.		
Has the DUX payment fees any significant deviations between forecast and actuals?	<b>~</b>				Yes, the forecast is 4,500 DAI, and the actual expense is 4,910 DAI. The difference is 410.	The payment fees are higher than expected due to increased payments in February via the payment processor.		
	<b>V</b>				No.			
	<b>V</b>				Yes.			
Has the DUX any budget category that seems inconsistent and needs further investigation?	<b>V</b>				No.			
Audit Questions to Section Transparency Report - Section 2. Budget Forecast -								
Does the transparency report display the MIP40c3-SP52 caps for both total and budget categories? 2.1	<b>V</b>				Yes.			
Are the montly and quarterly budget caps (both totals and per category) the same as in the MIP40c3-SP52?								
	<b>~</b>							
	<b>V</b>							
Are the montly forecast totals within the MIP40c3-PSP52 montly budget cap? 2.4	<b>V</b>							
Has the DUX presented the correct calculation of amounts for the budget forecast? 2.5			<b>✓</b>		Yes. There is, however, a typo error in the contingency buffer amount of 63.075 a (.) instead of a (.) 63,075. The latter is the correct amount.		Dux should correct the Contingency buffer amount in the budget forecast section, the correct amount is 63,075.	
Audit Questions to Section Transparency Report - Section 3. MKR Vesting Overview -								
Has the DUX indicated the number of FTE in the transparency report's MKR vesting overview?	<b>V</b>				Yes, the FTE is included in the MKR Vesting overview section of the transparency report.			
Has the MKR vesting overview the same FTE comparing it to the MIP40c3-SP27?	<b>~</b>			$\Box$				
Are the MKR vesting dates the same as in the MIP40c3-SP27? 3.4	<b>~</b>				No, the MIP40c3-SP27 includes the following vesting date December 2021 = 0 MKR. However, all other vesting dates are the same as in the MIP40c3-SP27.			
Is the MKR total budget cap in the transparency report the same as in the approved MIP40c3-SP27?	~				Yes.			

3.6	Has DUX changed the MKR amounts comparing it to the last published transparency report?				t	No, the total MKR amount published last month is 1,080.5 and the otal MKR amount in the February Budget Statement is 1,99.26 MKR. There is a difference of 118.77 MKR due to salary adjustments.	Dux should use two decimals to calculate the MKR for all the vesting periods for consistency.	
3.7	Has DUX explained the MKR change in the transparency report?				T y	This control can only be made if the answer to the above question is essential to the above question is		
	Audit Questions to Section Transparency Report - Section 4. Transfers -							
4.:	Does the DUX operational wallet balance match the transparency report current balance in the calculation made for the new transfer?		) C	ם כ		/es. The current wallet balance is 218,500 DAI. DUX is requesting a ransfer of 84,800 DAI.		
4.1	Are the payments from the operational wallet the same as in the actuals payments?	✓ (		) C	3 h	/es, there is a perfect match, DUX reported the payment of 47,000 + 19,500 = 86,500 DAI that matches the wallet outgoing transactions. https://etherscan. //c/wcs257b7adc0624dae06053f4f25c72a2617b0db8e680a32f560b9 175b370d809a		