

Supplement dated September 25, 2014 to Prospectus dated April 28, 2014

This supplement contains information which amends, supplements or modifies certain information contained in the Prospectus of HMS Income Fund, Inc. (the *Company*") dated April 28, 2014 (as so supplemented and amended, the "*Prospectus*"). This supplement is part of, and should be read in conjunction with, the Prospectus. The Prospectus has been filed with the Securities and Exchange Commission and is available at www.sec.gov or by calling (888) 446-3773. Capitalized terms used in this supplement have the same meanings as in the Prospectus, unless otherwise stated herein.

You should carefully consider the "Risk Factors" beginning on page 26 of the Prospectus before you decide to invest.

This supplement updates the Prospectus as follows: (i) reflects the entry by the Company into the second amendment to its credit agreement with Capital One, National Association, as administrative agent and other banks as participants and (ii) updates the Prospectus with respect to the status of the offering and the Company's investment portfolio.

This supplement amends the Prospectus as follows:

PROSPECTUS SUMMARY

This supplement replaces in its entirety the third paragraph in the section entitled "Prospectus Summary-Credit Facility" beginning on page 9 of the Prospectus (as supplemented on June 5, 2014 and July 25, 2014) with the following:

On March 11, 2014, we entered into a \$70 million senior secured credit facility (as amended from time to time, the "Syndicated Credit Facility") with Capital One as the administrative agent, and other banks as participants (together with Capital One, the "Lenders") in the Facility. This Syndicated Credit Facility amends and restates in its entirety the Credit Facility. In connection with the entry into the Syndicated Credit Facility, on March 11, 2014, we borrowed \$20 million, \$13 million of which was used to satisfy our obligations under the Credit Facility. Borrowings under the Syndicated Credit Facility bear interest, subject to the Company's election, on a per annum basis equal to (i) the adjusted LIBOR rate plus 2.75% or (ii) the base rate plus 1.75%. The base rate is defined as the higher of (a) the prime rate or (b) the Federal Funds Rate (as defined in the credit agreement) plus 0.5%. The adjusted LIBOR rate is defined in the credit agreement for the Syndicated Credit Facility as the LIBOR rate plus such amount as adjusted for statutory reserve requirements for Eurocurrency liabilities. The Company pays unused commitment fees of 0.25% per annum on the unused lender commitment under the Syndicated Credit Facility if more than 50% of the Syndicated Credit Facility is being used and a commitment fee of 0.375% per annum on the unused lender commitments under the Syndicated Credit Facility is being used. The Syndicated Credit Facility in two one-year extension options, subject to approval of the Lenders. Additionally, the Syndicated Credit Facility has an accordion provision allowing capacity to increase to \$150 million. Borrowings under the Syndicated Credit Facility are secured by all of the Company's assets, other than the assets of cretian permitted structured subsidiaries (the "Structured Subsidiaries"), as well as all of the assets and a pledge of equity ownership interests, of any future subsidiaries of the Company (other than Structured Subsidiaries), which would be joined as

guarantors. The agreement for the Syndicated Credit Facility contains affirmative and negative covenants usual and customary for credit facilities of this nature, including, but not limited to: (i) maintaining an interest coverage ratio of at least 2.0 to 1.0 (ii) maintaining an asset coverage ratio of at least 2.25 to 1.0 and (iii) maintaining a minimum consolidated tangible net worth, excluding Structured Subsidiaries, of at least \$50 million. Additionally, we must provide information to Capital One on a regular basis, preserve our corporate existence, comply with applicable laws, including the 1940 Act, pay obligations when they become due, and invest the proceeds of the Offering in accordance with our investment objectives and strategies (subject to certain limitations, as set forth in the Syndicated Credit Facility). Further, the Syndicated Credit Facility contains limitations on incurrence of other indebtedness (other than by Structured Subsidiaries), limitations on industry concentration, an anti-hoarding provision to protect the collateral under the Syndicated Credit Facility, as well as usual and customary default provisions including, without limitation: (i) a default in the payment of interest and principal; (ii) insolvency or bankruptcy of the Company; (iii) a material adverse change in our business; or (iv) breach of any covenant, representation or warranty in the loan agreement or other credit documents and failure to cure such breach within defined periods. Additionally, the Syndicated Credit Facility requires us to obtain written approval from the administrative agent prior to entering into any material amendment, waiver or other modification of any provision of the Advisory Agreement. The Syndicated Credit Facility that increased the revolver commitments to \$105 million.

This supplement replaces in its entirety the seventh paragraph in the section entitled "Prospectus Summary-Credit Facility" beginning on page 9 of the Prospectus (as supplemented on June 5, 2014 and July 25, 2014) with the following:

As of September 25, 2014, we had approximately \$62 million outstanding and \$43 million available under our Syndicated Credit Facility and \$87 million outstanding and \$13 million available under the HMS Funding Facility (not including the accordion feature of either of the Credit Facilities) subject to certain limitations and the asset coverage restrictions under the 1940 Act, as discussed below.

RISK FACTORS

This supplement replaces in its entirety the first paragraph of the risk factor entitled "We may have limited ability to fund new investments if we are unable to expand, extend or refinance our Syndicated Credit Facility." on pages 35-36 of the Prospectus (as supplemented on June 5, 2014 and July 25, 2014) with the following:

We may have limited ability to fund new investments if we are unable to expand, extend or refinance our Syndicated Credit Facility or the HMS Funding Facility.

On March 11, 2014, we entered into the Syndicated Credit Facility of \$70 million with an accordion provision allowing increases in borrowing of up to \$150 million, subject to certain conditions. On September 22, 2014, we and the Lenders entered into a Second Amendment to the Syndicated Credit Facility increasing the revolver commitments to \$105 million. The maturity date of the Syndicated Credit Facility is March 11, 2017, subsequent to which we have two, one-year extension options, with Lender approval. On June 2, 2014, our wholly-owned subsidiary, HMS Funding entered into the HMS Funding Facility of \$50 million with an accordion provision allowing increases in borrowing of up to \$250 million, subject to certain conditions. On July 22, 2014, the HMS Funding Facility capacity was increased to \$100 million. The maturity date of the HMS Funding Facility is June 3, 2019. At September 25, 2014 we had approximately \$62 million and \$87 million of debt financing outstanding under our Syndicated Credit Facility and the HMS Funding Facility, respectively.

This supplement replaces in its entirety the second paragraph in the risk factor entitled "Because we borrow funds, the potential for gain or loss on amounts invested in us is magnified and may increase the risk of investing in us." on page 36 of the Prospectus (as supplemented on June 5, 2014 and July 25, 2014) with the following:

At September 25, 2014, we had approximately \$62 million and \$87 million of debt financing outstanding under our Syndicated Credit Facility and the HMS Funding Facility, respectively.

SENIOR SECURITIES

This supplement replaces in its entirety the fourth paragraph in the section entitled "Senior Securities" on pages 45-46 of the Prospectus (as supplemented on June 5, 2014 and July 25, 2014) with the following:

On March 11, 2014, we entered into the Syndicated Credit Facility, a \$70 million senior secured credit facility with Capital One, as the administrative agent, and other banks the Lenders in the Syndicated Credit Facility. This Syndicated Credit Facility amends and restated in its entirety the Credit Facility. In connection with the entry into the Syndicated Credit Facility, on March

11, 2014, we borrowed \$20 million, \$13 million of which was used to satisfy our obligations under the Credit Facility. On May 30, 2014, we and the Lenders entered into the First Amendment to the Syndicated Credit Facility. Borrowings under the Syndicated Credit Facility bear interest, subject to the Company's election, on a per annum basis equal to (i) the adjusted LIBOR rate plus 2.75% or (ii) the base rate plus 1.75%. The base rate is defined as the higher of (a) the prime rate or (b) the Federal Funds Rate (as defined in the credit agreement) plus 0.5%. The adjusted LIBOR rate is defined in the credit agreement for the Syndicated Credit Facility as the LIBOR rate plus such amount as adjusted for statutory reserve requirements for Eurocurrency liabilities. The Company pays unused commitment fees of 0.25% per annum on the unused lender commitment under the Syndicated Credit Facility if more than 50% of the Syndicated Credit Facility is being used and a commitment fee of 0.375% per annum on the unused lender commitments under the Syndicated Credit Facility if less than 50% of the Syndicated Credit Facility is being used. The Syndicated Credit Facility has a three year term, with two one-year extension options, subject to approval of the Lenders. Additionally, the Syndicated Credit Facility has an accordion provision allowing borrowing capacity to increase to \$150 million. Borrowings under the Syndicated Credit Facility are secured by all of the Company's assets, other than the assets of the Structured Subsidiaries, as well as all of the assets, and a pledge of equity ownership interests, of any future subsidiaries of the Company (other than Structured Subsidiaries), which would be joined as guarantors. The credit agreement for the Syndicated Credit Facility contains affirmative and negative covenants usual and customary for credit facilities of this nature, including, but not limited to: (i) maintaining an interest coverage ratio of at least 2.0 to 1.0 (ii) maintaining an asset coverage ratio of at least 2.25 to 1.0 and (iii) maintaining a minimum consolidated tangible net worth, excluding Structured Subsidiaries, of at least \$50 million. Further, the Syndicated Credit Facility contains limitations on incurrence of other indebtedness (other than by Structured Subsidiaries), limitations on industry concentration, and an anti-hoarding provision to protect the collateral under the Syndicated Credit Facility. Additionally, we must provide information to Capital One on a regular basis, preserve our corporate existence, comply with applicable laws, including the 1940 Act, pay obligations when they become due, and invest the proceeds of the Offering in accordance with our investment objectives and strategies (as set forth in the Syndicated Credit Facility). Further, the credit agreement contains usual and customary default provisions including, without limitation: (i) a default in the payment of interest and principal; (ii) insolvency or bankruptcy of the Company; (iii) a material adverse change in our business; or (iv) breach of any covenant, representation or warranty in the loan agreement or other credit documents and failure to cure such breach within defined periods. Additionally, the Syndicated Credit Facility requires us to obtain written approval from the administrative agent prior to entering into any material amendment, waiver or other modification of any provision of the Advisory Agreement. The Syndicated Credit Facility has a maturity date of March 11, 2017. On September 22, 2014, we and the Lenders entered into a Second Amendment to the Syndicated Credit Facility that increased the revolver commitments to \$105 million.

This supplement replaces in its entirety the eighth paragraph in the section entitled "Senior Securities" on pages 45-46 of the Prospectus (as supplemented on June 5, 2014 and July 25, 2014) with the following:

As of September 25, 2014, we had approximately \$62 million outstanding and \$43 million available under our Syndicated Credit Facility and \$87 million outstanding and \$13 million available under the HMS Funding Facility (not including the accordion feature of either of the Credit Facilities) subject to certain limitations and the asset coverage restrictions under the 1940 Act.

MANAGEMENT'S DISCUSSION AND ANALYSIS OF FINANCIAL CONDITION AND RESULTS OF OPERATIONS

This supplement replaces in its entirety the fourth paragraph in the section entitled "Management's Discussion and Analysis of Financial Condition and Results of Operations -Liquidity and Capital Resources - Capital Resources" on pages 59-60 of the Prospectus (as supplemented on June 5, 2014 and July 25, 2014) with the following:

On March 11, 2014, we entered into the Syndicated Credit Facility, a \$70 million senior secured credit facility with Capital One, as the administrative agent, and other banks the Lenders in the Syndicated Credit Facility. This Syndicated Credit Facility amends and restated in its entirety the Credit Facility. In connection with the entry into the Syndicated Credit Facility, on March 11, 2014, we borrowed \$20 million, \$13 million of which was used to satisfy our obligations under the Credit Facility. On May 30, 2014, we and the Lenders entered into the First Amendment to the Syndicated Credit Facility. Borrowings under the Syndicated Credit Facility bear interest, subject to the Company's election, on a per annum basis equal to (i) the adjusted LIBOR rate plus 2.75% or (ii) the base rate plus 1.75%. The base rate is defined as the higher of (a) the prime rate or (b) the Federal Funds Rate (as defined in the credit gareement) plus 0.5%. The adjusted LIBOR rate is defined in the credit agreement for the Syndicated for statutory reserve requirements for Eurocurrency liabilities. The Company pays unused commitment fees of 0.25% per annum on the unused lender commitment under the Syndicated Credit Facility if less than 50% of the Syndicated Credit Facility is being used and a commitment fee of 0.375% per annum on the unused lender commitments under the Syndicated Credit Facility if less than 50% of the Syndicated Credit Facility is being used. The Syndicated Credit Facility has a three year term, with two one-year extension options, subject

to approval of the Lenders. Additionally, the Syndicated Credit Facility has an accordion provision allowing borrowing capacity to increase to \$150 million. Borrowings under the Syndicated Credit Facility are secured by all of the Company's assets, other than the assets of the Structured Subsidiaries, as well as all of the assets, and a pledge of equity ownership interests, of any future subsidiaries of the Company (other than Structured Subsidiaries), which would be joined as guarantors. The credit agreement for the Syndicated Credit Facility contains affirmative and negative covenants usual and customary for credit facilities of this nature, including, but not limited to: (i) maintaining an interest coverage ratio of at least 2.0 to 1.0 (ii) maintaining an asset coverage ratio of at least 2.25 to 1.0 and (iii) maintaining a minimum consolidated tangible net worth, excluding Structured Subsidiaries, of at least \$50 million. Further, the Syndicated Credit Facility contains limitations on industry concentration, and an anti-hoarding provision to protect the collateral under the Syndicated Credit Facility. Additionally, we must provide information to Capital One on a regular basis, preserve our corporate existence, comply with applicable laws, including the 1940 Act, pay obligations when they become due, and invest the proceeds of the Offering in accordance with our investment objectives and strategies (as set forth in the Syndicated Credit Facility). Further, the credit agreement contains usual and customary default provisions including, without limitation: (i) a default in the payment of interest and principal; (ii) insolvency or bankruptcy of the Company; (iii) a material adverse change in our business; or (iv) breach of any covenant, representation or warranty in the loan agreement or other credit documents and failure to cure such breach within defined periods. Additionally, the Syndicated Credit Facility requires us to obtain written approval from the administrative agent prior to entering into any material

This supplement replaces in its entirety the seventh paragraph in the section entitled "Management's Discussion and Analysis of Financial Condition and Results of Operations - Liquidity and Capital Resources - Capital Resources" beginning on pages 59-60 of the Prospectus (as supplemented on June 5, 2014 and July 25, 2014) with the following:

As of September 25, 2014, we had approximately \$62 million outstanding and \$43 million available under our Syndicated Credit Facility and \$87 million outstanding and \$13 million available under the HMS Funding Facility (not including the accordion feature of either of the Credit Facilities), subject to certain limitations and the asset coverage restrictions under the 1940 Act.

This supplement replaces in its entirety the fourth paragraph in the section entitled "Management's Discussion and Analysis of Financial Condition and Results of Operations -Recent Developments" on page 62 of the Prospectus (as supplemented on June 5, 2014 and July 25, 2014) with the following:

On March 11, 2014, we entered into the Syndicated Credit Facility, a \$70 million senior secured credit facility with Capital One, as the administrative agent, and other banks the Lenders in the Syndicated Credit Facility. This Syndicated Credit Facility amends and restated in its entirety the Credit Facility. In connection with the entry into the Syndicated Credit Facility, on March 11, 2014, we borrowed \$20 million, \$13 million of which was used to satisfy our obligations under the Credit Facility. On May 30, 3014, we entered into the First Amendment to the Syndicated Credit Facility. Borrowings under the Syndicated Credit Facility bear interest, subject to the Company's election, on a per annum basis equal to (i) the adjusted LIBOR rate plus 2.75% or (ii) the base rate plus 1.75%. The base rate is defined as the higher of (a) the prime rate or (b) the Federal Funds Rate (as defined in the credit agreement) plus 0.5%. The adjusted LIBOR rate is defined in the credit agreement for the Syndicated Credit Facility as the LIBOR rate plus such amount as adjusted for statutory reserve requirements for Eurocurrency liabilities. The Company pays unused commitment fees of 0.25% per annum on the unused lender commitment under the Syndicated Credit Facility if more than 50% of the Syndicated Credit Facility is being used and a commitment fee of 0.375% per annum on the unused lender commitments under the Syndicated Credit Facility if less than 50% of the Syndicated Credit Facility is being used. The Syndicated Credit Facility has a three year term, with two one-year extension options, subject to approval of the Lenders. Additionally, the Syndicated Credit Facility has an accordion provision allowing borrowing capacity to increase to \$150 million. Borrowings under the Syndicated Credit Facility are secured by all of the Company's assets, other than the assets of the Structured Subsidiaries, as well as all of the assets and a pledge of equity ownership interests, of any future subsidiaries of the Company (other than the Structured Subsidiaries), which would be joined as guarantors. The credit agreement for the Syndicated Credit Facility contains affirmative and negative covenants usual and customary for credit facilities of this nature, including, but not limited to: (i) maintaining an interest coverage ratio of at least 2.0 to 1.0 (ii) maintaining an asset coverage ratio of at least 2.25 to 1.0 and (iii) maintaining a minimum consolidated tangible net worth, excluding Structured Subsidiaries, of at least \$50 million. Additionally, we must provide information to Capital One on a regular basis, preserve our corporate existence, comply with applicable laws, including the 1940 Act, pay obligations when they become due, and invest the proceeds of the Offering in accordance with its investment objectives and strategies (subject to certain limitations, as set forth in the Syndicated Credit Facility). Further, the Syndicated Credit Facility contains limitation on incurrence of other indebtedness (other than by Structured Subsidiaries), limitations on industry concentration, an anti-hoarding provision to

protect the collateral under the Syndicated Credit Facility, as well as usual and customary default provisions including, without limitation: (i) a default in the payment of interest and principal; (ii) insolvency or bankruptcy of the Company; (iii) a material adverse change in our business; or (iv) breach of any covenant, representation or warranty in the loan agreement or other credit documents and failure to cure such breach within defined periods. Additionally, the Syndicated Credit Facility requires us to obtain written approval from the administrative agent prior to entering into any material amendment, waiver or other modification of any provision of the Advisory Agreement. The Syndicated Credit Facility has a maturity date of March 11, 2017. On September 22, 2014, we and the Lenders entered into a Second Amendment to the Syndicated Credit Facility that increased the revolver commitments to \$105 million.

This supplement replaces in its entirety the seventh paragraph in the section entitled "Management's Discussion and Analysis of Financial Condition and Results of Operations - Recent Developments" beginning on page 62 of the Prospectus (as supplemented on June 5, 2014 and July 25, 2014) with the following:

As of September 25, 2014, we had approximately \$62 million outstanding and \$43 million available under our Syndicated Credit Facility and \$87 million outstanding and \$13 million available under the HMS Funding Facility (not including the accordion feature of either of the Credit Facilities), subject to certain limitations and the asset coverage restrictions under the 1940 Act.

This supplement replaces in its entirety the eighth paragraph in the section entitled "Management's Discussion and Analysis of Financial Condition and Results of Operations -Recent Developments" beginning on page 62 of the Prospectus (as supplemented on June 5, 2014 and July 25, 2014) with the following:

Through September 25, 2014, we have raised approximately \$200 million of capital in the offering. As of September 25, 2014, the cost basis of our investment portfolio was approximately \$347 million.