

# FINANCIAL SUPPLEMENT Q1 FY2016

FEBRUARY 17, 2016

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- [Form 10-K FY2015](#)

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## FISCAL YEAR 2016 FINANCIAL TARGETS <sup>1</sup>

	Q2 FY2016	FY2016
Revenue (million)	\$595 - \$610	\$2,350 - \$2,390 <sup>2</sup>
GAAP Expenses (million)	\$503 - \$522	
Non-GAAP Expenses (million)	\$450 - \$460	
Other Income and Expense Net (million)	\$0 - \$2	\$0 - \$4
Normalized Annual Non-GAAP Tax Rate	19%	19%
Fully Diluted Outstanding Shares (million)	153 - 156	153 - 156 <sup>3</sup>
GAAP Earnings Per Share	\$0.38 - \$0.47	\$1.64 - \$1.79
Non-GAAP Earnings Per Share	\$0.78 - \$0.81	\$2.93 - \$3.00
Cash Flow from Operations		at least \$500 million
Capital Expenditures (million)		~\$80
Average Renewable License Duration		~3.0 years
Stock-Based Compensation (million)		~\$98

(1) These targets were provided by Synopsys as of February 17, 2016, and are not being updated at this time.

(2) Reflects approximately one percentage point headwind from Yen, including impact of hedging program and rates locked in during 2015.

(3) We plan to increase buybacks in fiscal 2016 to slightly reduce fully diluted share count from 2015 levels.

## RECENT ACQUISITIONS

### Protecode (Nov. 2015)

- Software quality & security.
- Solutions for detecting & managing open source software (OSS) and the associate license and security risks.
- Terms not disclosed; not material to SNPS.

### Goanna Software (Dec. 2015)

- Asset acquisition.
- Software quality & security.
- Static source code analysis to detect security vulnerabilities.
- Terms not disclosed; not material to SNPS.

## REVENUE BY PRODUCT GROUP (Unaudited)

(in millions)	Q114	Q214	Q314	Q414	FY14	Q115	Q215	Q315	Q415	FY15	Q116
Core EDA	308.9	323.5	320.0	326.8	1,279.1	317.4	337.9	348.2	370.2	1,373.7	339.7
% of Revenue	64%	62%	61%	61%	62%	59%	61%	63%	63%	61%	60%
IP/Systems/SI	108.6	137.1	143.3	153.1	542.1	163.3	156.4	140.9	152.1	612.6	167.0
% of Revenue	23%	26%	27%	28%	26%	30%	28%	25%	26%	27%	29%
Manufacturing	45.8	41.9	43.2	44.4	175.3	45.0	44.9	47.0	47.0	183.8	48.6
% of Revenue	10%	8%	8%	8%	9%	8%	8%	8%	8%	8%	9%
Services & Other	15.7	15.3	15.3	14.7	60.9	16.4	18.1	19.8	17.8	72.1	13.3
% of Revenue	3%	3%	3%	3%	3%	3%	3%	4%	3%	3%	2%
<b>Total</b>	<b>479.0</b>	<b>517.7</b>	<b>521.8</b>	<b>539.0</b>	<b>2,057.5</b>	<b>542.0</b>	<b>557.2</b>	<b>555.8</b>	<b>587.2</b>	<b>2,242.2</b>	<b>568.6</b>

Revenue from our products and services is categorized into four groups:

- Core EDA, which includes digital and custom integrated circuit (IC) design software, verification products, and field-programmable gate array (FPGA) design software;
- IP, Systems and Software Integrity (previously referred to as IP and Software Solutions), which includes our DesignWare® IP portfolio, system-level design products, prototyping and software quality and security testing solutions;
- Manufacturing Solutions, which includes TCAD, Mask & Yield Management tools; and
- Professional Services and Other.

Note: Amounts included in the table above may not foot due to rounding. Product revenue data for multi-product transactions is determined using management methodologies and allocations and is therefore subject to certain assumptions. In addition, we allocate maintenance revenue to the products to which those maintenance services relate.

## REVENUE BY GEOGRAPHIC REGION (Unaudited)

(in millions)	Q114	Q214	Q314	Q414	FY14	Q115	Q215	Q315	Q415	FY15	Q116
North America	237.2	247.8	272.5	280.7	1,038.3	281.3	289.8	280.3	313.7	1,165.1	282.9
% of Revenue	50%	48%	52%	52%	50%	52%	52%	50%	53%	52%	50%
Europe	66.7	71.1	65.9	69.3	272.9	71.9	75.0	80.3	73.2	300.4	71.9
% of Revenue	14%	14%	13%	13%	13%	13%	13%	14%	12%	13%	13%
Japan	64.3	58.4	61.5	54.4	238.6	60.9	53.2	51.0	53.7	218.8	53.2
% of Revenue	13%	11%	12%	10%	12%	11%	10%	9%	9%	10%	9%
Asia Pacific	110.8	140.4	121.9	134.7	507.7	128.0	139.2	144.2	146.6	558.0	160.5
% of Revenue	23%	27%	23%	25%	25%	24%	25%	26%	25%	25%	28%
<b>Total</b>	<b>479.0</b>	<b>517.7</b>	<b>521.8</b>	<b>539.0</b>	<b>2,057.5</b>	<b>542.0</b>	<b>557.2</b>	<b>555.8</b>	<b>587.2</b>	<b>2,242.2</b>	<b>568.6</b>

Note: Amounts included in the table above may not foot due to rounding. Geographic revenue data for multi-regional, multi-product transactions reflect internal allocations and are therefore subject to certain assumptions and to management's methodology.

## SELECTED FINANCIAL AND OPERATING METRICS

	Q114	Q214	Q314	Q414	FY14	Q115	Q215	Q315	Q415	FY15	Q116
Revenue Mix (millions) <sup>1</sup>											
- Time-Based License	400.1	424.2	431.2	443.6	1,699.1	431.0	447.8	445.8	467.5	1,792.2	464.3
% of total revenue	84%	82%	83%	82%	83%	80%	80%	80%	80%	80%	82%
- Upfront	34.0	36.3	31.6	33.9	135.8	46.5	44.3	48.9	57.7	197.3	43.4
% of total revenue	7%	7%	6%	6%	7%	9%	8%	9%	10%	9%	8%
- Maintenance and Service <sup>2</sup>	44.8	57.2	59.0	61.5	222.6	64.5	65.0	61.1	62.0	252.7	60.9
% of total revenue	9%	11%	11%	11%	11%	12%	12%	11%	11%	11%	11%
Avg renewable license duration (yrs) <sup>3</sup>	~2.6	~2.8	~3.1	~2.8	~2.9	~2.4	~2.5	~2.5	~2.9	~2.7	~3.7
Backlog <sup>4</sup>					\$3.5 bn					\$3.6 bn	
- Portion of projected revenue to come from backlog <sup>5</sup>					~80% of '15 rev					~80% of '16 rev	
Non-GAAP Operating Margin <sup>6</sup>	22.7%	24.0%	23.9%	21.6%	23.0%	25.7%	24.7%	22.4%	20.9%	23.4%	22.5%
Cash, Cash Equivalents & Short-term Investments (millions)	\$893	\$822	\$903	\$986	\$986	\$917	\$1,005	\$1,123	\$965	\$965	\$706
- % Held in U.S.	32%	18%	12%	16%	16%	13%	15%	31%	16%	16%	16%
Outstanding Debt	\$98	\$290	\$83	\$75	\$75	\$303	\$220	\$213	\$205	\$205	\$228
Operating Cash Flow <sup>1,7</sup>	(\$74)	\$112	\$340	\$173	\$551	(\$87)	\$155	\$275	\$152	\$495	(\$35)
Capital Expenditures	\$14.4	\$15.5	\$28.2	\$45.2	\$103.3	\$19.6	\$24.4	\$23.7	\$19.3	\$87.0	\$15.3
Share Repurchases (millions) <sup>1</sup>											
- Number of Shares <sup>8</sup>	1.4	0.6	0	1.0	3.1	3.3	0.0	0.7	1.7	5.7	3.8
- Gross Share Repurchases	(\$55)	(\$25)	\$0	(\$40)	(\$120)	(\$180)	\$0	\$0	(\$100)	(\$280)	(\$200)
- Remaining Repurchase Authorization	\$445	\$420	\$420	\$380	\$380	\$200	\$200	\$200	\$500	\$500	\$300
DSO	47	57	42	55		48	55	50	60		57
Employee Headcount	~8,690	~9,100	~9,225	~9,440	~9,440	~9,300	~9,450	~9,835	~10,280	~10,280	~10,290

- (1) Amounts may not foot due to rounding.
- (2) Includes maintenance on term and perpetual licenses.
- (3) Weighted average duration of the license arrangements closed in the period reported.
- (4) Synopsys' backlog was ~\$3.6 billion on October 31, 2015, representing a 2% increase from backlog of ~\$3.5 billion on October 31, 2014. This increase resulted primarily from the timing of large multi-year contract renewals, business growth and acquisitions. Backlog represents committed orders that are expected to be recognized as revenue during the following three years. Backlog may not be a reliable predictor of our future sales as business conditions may change and technologies may evolve, and customers may seek to renegotiate their arrangements or default on their payment obligations. For this and other reasons, we may not be able to recognize expected revenue from backlog when anticipated.
- (5) Amount of projected subsequent fiscal year revenue expected to come from backlog as of the end of the applicable fiscal year.
- (6) Should be read in conjunction with the company's 8-K filed with the SEC and the reconciliations of the non-GAAP financial measures to their comparable GAAP measures found in this Supplement.
- (7) Will typically track earnings before interest, taxes, depreciation and amortization (EBITDA) over time (less cash taxes). As operating cash flow is inherently lumpy, we believe it is important to look at multi-year averages.
- (8) During Q116, we entered into an accelerated share repurchase (ASR) agreement for \$200 million. Under this agreement, we received 3.5 million shares, or 80% of the ASR, in Q116 and expect to receive the remaining balance of shares in Q216 when the ASR is completed. During Q415, we entered into an ASR agreement for \$100 million. Under this agreement, we received 1.7 million shares in Q415 and the balance of 0.4 million shares in Q116 when the ASR was completed.

## SUPPLEMENTAL GAAP TO NON-GAAP RECONCILIATION (Unaudited, in thousands, except per share amounts)

Three Months Ended January 31, 2016

	GAAP	Adjustments (1)	Non-GAAP
Cost of revenue:			
License	\$ 76,393	\$ (1,690)	\$ 74,703
Maintenance and service	22,525	(451)	22,074
Amortization of intangible assets	30,526	(30,526)	-
Operating expenses:			
Research and development	\$ 196,705	\$ (7,893)	\$ 188,812
Sales and marketing	122,620	(3,240)	119,380
General and administrative	39,697	(4,217)	35,480
Amortization of intangible assets	6,935	(6,935)	-
Restructuring charges	2,093	(2,093)	-
Operating income	\$ 71,110	\$ 57,045	\$ 128,155
Other income (expense), net	\$ (6,768)	\$ 9,394	\$ 2,626
Provision (benefit) for income taxes	\$ 4,307	\$ 20,541	\$ 24,848
Net income	\$ 60,035	\$ 45,898	\$ 105,933
Net income per share (Diluted)	\$ 0.39	\$ 0.29	\$ 0.68

Shares used in computing per share amounts:

Diluted	155,283	155,283
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- (1) The adjustments to the various line items resulted from excluding the following from non-GAAP measures: stock compensation of \$23.0 million, amortization of intangible assets of \$37.5 million, acquisition-related costs of \$3.9 million, restructuring charges of \$2.1 million, changes in the fair value of the non-qualified deferred compensation plan of \$9.4 million, and tax adjustments of \$20.5 million.

## GAAP TO NON-GAAP OPERATING MARGIN RECONCILIATION (Unaudited)

Three Months Ended  
January 31, 2016

GAAP operating margin	12.5%
Amortization of intangible assets	6.6%
Stock compensation	4.0%
Acquisition-related costs	0.7%
Restructuring charges	0.4%
Legal & tax matters	0.0%
Change in value of non-qualified deferred compensation	-1.7%
Non-GAAP operating margin	22.5%

## GAAP TO NON-GAAP RECONCILIATION OF SECOND QUARTER FY2016 TARGETS

	Range for Three Months	
	Ending April 30, 2016 (1)	
	Low	High
Target GAAP expenses	\$ 503,000	\$ 522,000
Adjustments:		
Estimated impact of amortization of intangible assets	(31,000)	(35,000)
Estimated impact of stock compensation	(22,000)	(27,000)
Target non-GAAP expenses	\$ 450,000	\$ 460,000

	Range for Three Months	
	Ending April 30, 2016 (1)	
	Low	High
Target GAAP earnings per share	\$ 0.38	\$ 0.47
Adjustments:		
Estimated impact of amortization of intangible assets	0.23	0.20
Estimated impact of stock compensation	0.17	0.14
Target non-GAAP earnings per share	\$ 0.78	\$ 0.81
Shares used in non-GAAP calculation (midpoint of target range)	154,500	154,500

## GAAP TO NON-GAAP RECONCILIATION OF FY2016 TARGETS

	Range for Fiscal Year	
	Ending October 31, 2016 (1)	
	Low	High
Target GAAP earnings per share	\$ 1.64	\$ 1.79
Adjustments:		
Estimated impact of amortization of intangible assets	0.85	0.80
Estimated impact of stock compensation	0.69	0.64
Acquisition-related costs	0.02	0.02
Estimated impact of restructuring	0.01	0.01
Estimated impact of tax adjustments <sup>(2)</sup>	(0.28)	(0.26)
Target non-GAAP earnings per share	\$ 2.93	\$ 3.00
Shares used in non-GAAP calculation (midpoint of target range)	154,500	154,500

(1) Synopsys' second quarter and fiscal year end on April 30, 2016 and October 29, 2016, respectively. For presentation purposes, we refer to the closest calendar month end.

(2) Fiscal 2016 tax adjustments reflects the application of our normalized annual non-GAAP tax rate to non-GAAP pre-tax income.

## GAAP TO NON-GAAP RECONCILIATIONS

Please see our Current Report on Form 8-K filed with the SEC on February 17, 2016 available at <http://www.sec.gov> for the reasons why Synopsys believes that the presentation of non-GAAP financial measures provides useful information to our shareholders regarding our financial condition and results of operations and the purposes for which management uses such non-GAAP financial measures. Certain non-GAAP data used by management, as well as the reconciliation of such data to its most directly comparable GAAP measures, is contained in the first quarter 2016 earnings release available on Synopsys' website at [www.synopsys.com/Company/InvestorRelations/Pages/FinancialNews.aspx](http://www.synopsys.com/Company/InvestorRelations/Pages/FinancialNews.aspx) and our Current Report on Form 8-K filed with the SEC on February 17, 2016. In addition to the adjustments described in the Current Report on Form 8-K, the non-GAAP financial measures provided in this Supplement also exclude changes in the fair value of our non-qualified deferred compensation plans since such changes typically do not require current cash settlement and because they are not used by us in assessing the profitability of our business operations.

## FORWARD-LOOKING STATEMENTS

This Supplement contains forward-looking statements relating to expected future revenue from current revenue backlog. This Supplement contains forward-looking statements within the meaning of Section 21E of the Securities Exchange Act of 1934, including, but not limited to, the financial targets and the GAAP to Non-GAAP reconciliations such financial targets, as well as the expected future revenue from current revenue backlog. These statements involve known and unknown risks, uncertainties and other factors that could cause actual results to differ materially from those expressed or implied in our forward-looking statements. Accordingly, we caution stockholders and prospective investors not to place undue reliance on these statements. Such risks, uncertainties and factors include, but are not limited to: uncertainty in the growth of the semiconductor and electronics industry; consolidation among our customers; continued uncertainty in the global economy; our ability to realize the potential financial or strategic benefits of acquisitions we complete; changes in accounting principles or standards; fluctuation of our operating results; our highly competitive industries and our ability to meet our customers' demand for innovative technology at lower costs; our ability to protect our proprietary technology; application of the actual consolidated GAAP tax rate, or our decision to change our Non-GAAP normalized tax rate, as a result of a number of factors, including the actual geographic mix of revenue during the quarter and year, tax law changes, actions by government authorities, or judgment by management, based upon the status of pending audits and settlements, to increase or decrease an income tax asset or liability; investments of more resources in research and development than anticipated; risks and compliance obligations relating to the global nature of our operations; cybersecurity threats or other security breaches; liquidity requirements in our U.S. operations; claims that our products infringe on third-party intellectual property rights; product errors or defects; litigation; the ability to obtain licenses to third-party software and intellectual property on reasonable terms or at all; the ability to timely recruit and retain senior management and key employees; evolving corporate governance and public disclosure regulations; the inherent limitations on the effectiveness of our controls and compliance programs; the impairment of our investment portfolio by the deterioration of capital markets and the change in the fair value of our non-qualified deferred compensation plan obligations; the accuracy of certain assumptions, judgments and estimates that affect amounts reported in our financial statements; and the impact of catastrophic events. More information on potential risks, uncertainties and other factors that could affect Synopsys' results is included in filings it makes with the Securities and Exchange Commission from time to time, including in the sections entitled "Risk Factors" in its Annual Report on Form 10-K for the fiscal year ended October 31, 2015 and in its Form 10-Q for the fiscal quarter ended January 31, 2016 to be filed with the SEC.

## EFFECTIVENESS OF INFORMATION

The information provided herein is as of February 17, 2016. Although this Supplement will remain available on Synopsys' website through the date of the second quarter fiscal 2016 earnings call in May 2016, its continued availability through such date does not mean that Synopsys is reaffirming or confirming its continued validity. Synopsys does not currently intend to, and assumes no obligation to, report on its progress during the second quarter of fiscal 2016 or comment to analysts or investors on, or otherwise update, the information contained in this Supplement.