

Report of Organizational Actions Affecting Basis of Securities

▶ See separate instructions.

Part I Reporting Issuer

| | | | |
|--|--|--|----------------------|
| 1 Issuer's name Senesco Technologies, Inc. | | 2 Issuer's employer identification number (EIN) 84-1368850 | |
| 3 Name of contact for additional information Joel Brooks | 4 Telephone No. of contact 908-864-4444 | 5 Email address of contact jbrooks@senesco.com | |
| 6 Number and street (or P.O. box if mail is not delivered to street address) of contact 721 Route 202/206, Suite 130 | | 7 City, town, or post office, state, and Zip code of contact Bridgewater, NJ 08807 | |
| 8 Date of action See Question 16 | 9 Classification and description Distributions of Common Stock to Preferred Shareholders in excess of corporate earnings | | |
| 10 CUSIP number 817208 | 11 Serial number(s) | 12 Ticker symbol SNTI | 13 Account number(s) |

Part II Organizational Action Attach additional statements if needed. See back of form for additional questions.

14 Describe the organizational action and, if applicable, the date of the action or the date against which shareholders' ownership is measured for the action ▶

During the 2012 calendar year, the Company paid dividends on preferred stock in excess of corporate earnings and profits. Such dividends were paid in common stock on April 1, 2012 and October 1, 2011, which were the scheduled dividend dates on the preferred stock. Additionally, the Company paid dividends on preferred stock that was converted into common stock in April 2012, May 2012 and August 2012. Such dividends were also paid in common stock.

15 Describe the quantitative effect of the organizational action on the basis of the security in the hands of a U.S. taxpayer as an adjustment per share or as a percentage of old basis ▶

The basis of the preferred shareholders stock is reduced to the extent of the value of the property distributed. amounts in excess of the basis in the stock will result in a gain to the shareholder.

16 Describe the calculation of the change in basis and the data that supports the calculation, such as the market values of securities and the valuation dates ▶

| Date | Number of Shares | Market Value | Date | Number of Shares | Market Value |
|---------|------------------|--------------|---------|------------------|--------------|
| 4/1/12 | 1,081,473 | 270,368 | 10/1/12 | 222,098 | 48,862 |
| 4/3/12 | 14,286 | 3,572 | | | |
| 4/4/12 | 11,608 | 2,670 | | | |
| 4/5/12 | 5,804 | 1,277 | | | |
| 4/18/12 | 23,314 | 5,108 | | | |
| 4/25/12 | 11,607 | 2,554 | | | |
| 4/26/12 | 11,607 | 2,670 | | | |
| 5/1/12 | 40,625 | 9,344 | | | |
| 8/8/12 | 1,600,000 | 448,000 | | | |

Part II Organizational Action (continued)

17 List the applicable Internal Revenue Code section(s) and subsection(s) upon which the tax treatment is based ▶
Sections 305(b)(4), 301(c)(3)

18 Can any resulting loss be recognized? ▶ No

19 Provide any other information necessary to implement the adjustment, such as the reportable tax year ▶ _____

Under penalties of perjury, I declare that I have examined this return, including accompanying schedules and statements, and to the best of my knowledge and belief, it is true, correct, and complete. Declaration of preparer (other than officer) is based on all information of which preparer has any knowledge.

Sign Here

Signature ▶ _____ Date ▶ _____

Print your name ▶ Joel Brooks

Title ▶ Chief Financial Officer

Paid Preparer Use Only

| | | | | |
|----------------------------|----------------------|------|---|------|
| Print/Type preparer's name | Preparer's signature | Date | Check <input type="checkbox"/> if self-employed | PTIN |
| Firm's name ▶ | | | Firm's EIN ▶ | |
| Firm's address ▶ | | | Phone no. | |